



003027.00

Task 5

July 11, 2005

Mr. Bob Pace
Pace In/Out
P.O. Box 483
Keno, OR 97620

Dear Mr. Pace:

**SUBJECT: SECOND-QUARTER 2005 GROUNDWATER MONITORING,
PACE IN/OUT, DORRIS, CALIFORNIA**

Introduction

Lawrence & Associates (L&A) conducted groundwater monitoring at Pace In/Out (former Dorris Shell), 336 Main Street, Dorris, California (**Figure 1**) on June 1, 2005.

Groundwater samples were collected from monitoring wells MW-1 through MW-7 and tested for total petroleum hydrocarbons (TPH) as gasoline; TPH as diesel; TPH as motor oil; benzene, toluene, ethylbenzene, and total xylenes (BTEX); tert-butyl alcohol (TBA), methyl tert-butyl ether (MTBE), diisopropyl alcohol (DIPE), ethyl tert-butyl ether (ETBE), and tert-amylmethyl ether (TAME); and chlorinated hydrocarbons.

Groundwater from the monitoring wells was field-tested for pH, electrical conductivity (EC), temperature, dissolved oxygen, and oxidation reduction potential (ORP).

This investigation was intended to monitor seasonal variations and trends of groundwater contamination at the site, as recommended in our earlier report, *Initial Subsurface Investigation, Pace In/Out (former Dorris Shell), 336 Main Street, Dorris, California, Case No. ITSII71*, dated November 1, 2000.

Findings

1. Groundwater samples collected from MW-1 through MW-3, MW-6, and MW-7 were above detection limits for TPH as gasoline (**Table 2; Figure 3**) and BTEX.
2. TPH as diesel was detected in monitoring well MW-5 and TPH as motor oil was detected in MW-6. MTBE was detected in groundwater samples MW-1 and MW-2 and TBA was detected in MW-2 and MW-6.
3. 1,2-dichloroethane (DCA) was above detection limits in MW-1 through MW-3, and MW-6. 1,2-dibromoethane was detected in groundwater samples MW-1 and MW-3. Samples MW-2 and MW-7 contained trichloroethene (TCE), tetrachloroethene (PCE), and cis-1,2-dichloroethene (DCE). PCE and cis-1,2-DCE were also detected in MW-6.

4. The highest dissolved oxygen readings were detected in the upgradient wells (MW-4 and MW-5) and the two offsite wells (MW-6 and MW-7; **Table 1**).
5. On June 1, 2005, a northwest-southeast trending groundwater ‘trough’ was present with a gradient to the north-northeast at a magnitude of 0.0067 feet/foot and to the southwest at a magnitude of 0.0054 feet/foot (**Figure 2**).

Conclusions

1. Contamination from leaking underground storage tank(s) at the site is centered in the vicinity of wells MW-1 and MW-3.
2. Concentrations of most constituents of concern have fluctuated, but do not appear to be decreasing substantially over time.

Recommendations

1. An evaluation of corrective-action alternatives with associated costs is currently being prepared for submittal to the North Coast Regional Water Quality Control Board (NCRWQCB). Corrective-action options considered include groundwater and/or vapor extraction and treatment, enhanced bioremediation, and others.
2. The existing monitoring wells should continue to be monitored on a quarterly basis to further evaluate seasonal variations and trends of groundwater gradient and contaminant concentrations.

Description of Monitoring

Depth to groundwater was measured from the top of each well casing to the nearest 0.01 foot. The elevation of groundwater was determined by subtracting the depth to groundwater from the elevation of the top of the casing. Depths to groundwater, elevations, and field parameters are shown on **Table 1**.

Groundwater samples were collected using a peristaltic pump with disposable tubing and transferred into 40-ml VOA glass bottles and stored in iced coolers at a temperature of 4° C. The samples were shipped under chain-of-custody to Kiff Analytical of Davis, California and analyzed for TPH as gasoline, TPH as diesel, TPH as motor oil, BTEX, TBA, MTBE, DIPE, ETBE, TAME, and chlorinated hydrocarbons.

Table 1
Groundwater Depths, Elevations, & Field Parameters
(June 1, 2005)

Location	Top of casing elev., ft MSL	Groundwater depth, ft	Groundwater elevation, ft MSL	pH, pH units	EC, $\mu\text{S}/\text{cm}$	Temp., $^{\circ}\text{C}$	Dissolved Oxygen, mg/L	ORP, mV
MW-1	4,241.21	23.11	4,218.10	6.73	1,238	18.6	0.13	< -99
MW-2	4,241.37	22.97	4,218.40	6.85	1,325	16.5	0.10	< -99
MW-3	4,241.08	22.89	4,218.19	6.75	1,374	17.5	0.11	< -99
MW-4	4,240.83	22.32	4,218.51	7.32	788	17.8	4.91	48
MW-5	4,241.41	23.38	4,218.03	6.92	1,323	18.9	4.33	< -99
MW-6	4,241.53	23.16	4,218.37	6.82	1,910	17.9	4.88	-84
MW-7	4,241.52	23.19	4,218.33	6.70	1,310	16.2	3.46	< -99

ORP = Oxidation Reduction Potential.

Table 2 shows the groundwater analytical results for June 1, 2005. TPH as gasoline concentrations in groundwater are shown in **Figure 3**. Historical groundwater elevations and laboratory data are presented in **Appendix A** and **Appendix B** shows laboratory reports, chromatograms, and a chain-of-custody form. The L&A field data sheet is included in **Appendix C**.

Table 2
Groundwater Analytical Results
 (June 1, 2005)

Location	TPH	TPH	TPH Motor Oil	B	T	E	X	8260 oxygenates					cis-1,2-DCA	1,2-DCE	TCE	PCE	1,2-Dibromoethane
	Gasoline	Diesel						TBA	MTBE	DIPE	ETBE	TAME					
μg/L																	
MW-1	87,000	<4,000	<100	4,700	17,000	1,500	5,900	<150	31	<30	<30	<30	140	<30	<30	<30	260
MW-2	11,000	<2,000	<100	120	10	130	110	15	47	<1.5	<1.5	<1.5	16	5.1	31	92	<1.5
MW-3	98,000	<5,000	<100	14,000	14,000	1,200	5,200	<150	<25	<25	<25	<25	570	<25	<25	<25	280
MW-4	<50	<50	<100	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-5	<50	560	<100	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-6	8,100	<1,000	400	1,800	48	83	110	39	<5.0	<5.0	<5.0	<5.0	460	7.1	<5.0	12	<5.0
MW-7	44,000	<5,000	<100	540	1,100	1,700	3,900	<50	<9.0	<9.0	<9.0	<9.0	<9.0	590	840	1,600	<9.0

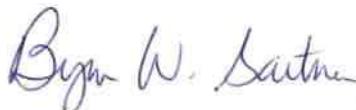
Notes: μg/L = parts per billion (ppb). No chlorinated hydrocarbons detected other than those shown.

Please contact me or Bryan Gartner at (530) 244-9703 if you have any questions regarding this report.

Sincerely,



Scott Brooks
Staff Hydrogeologist



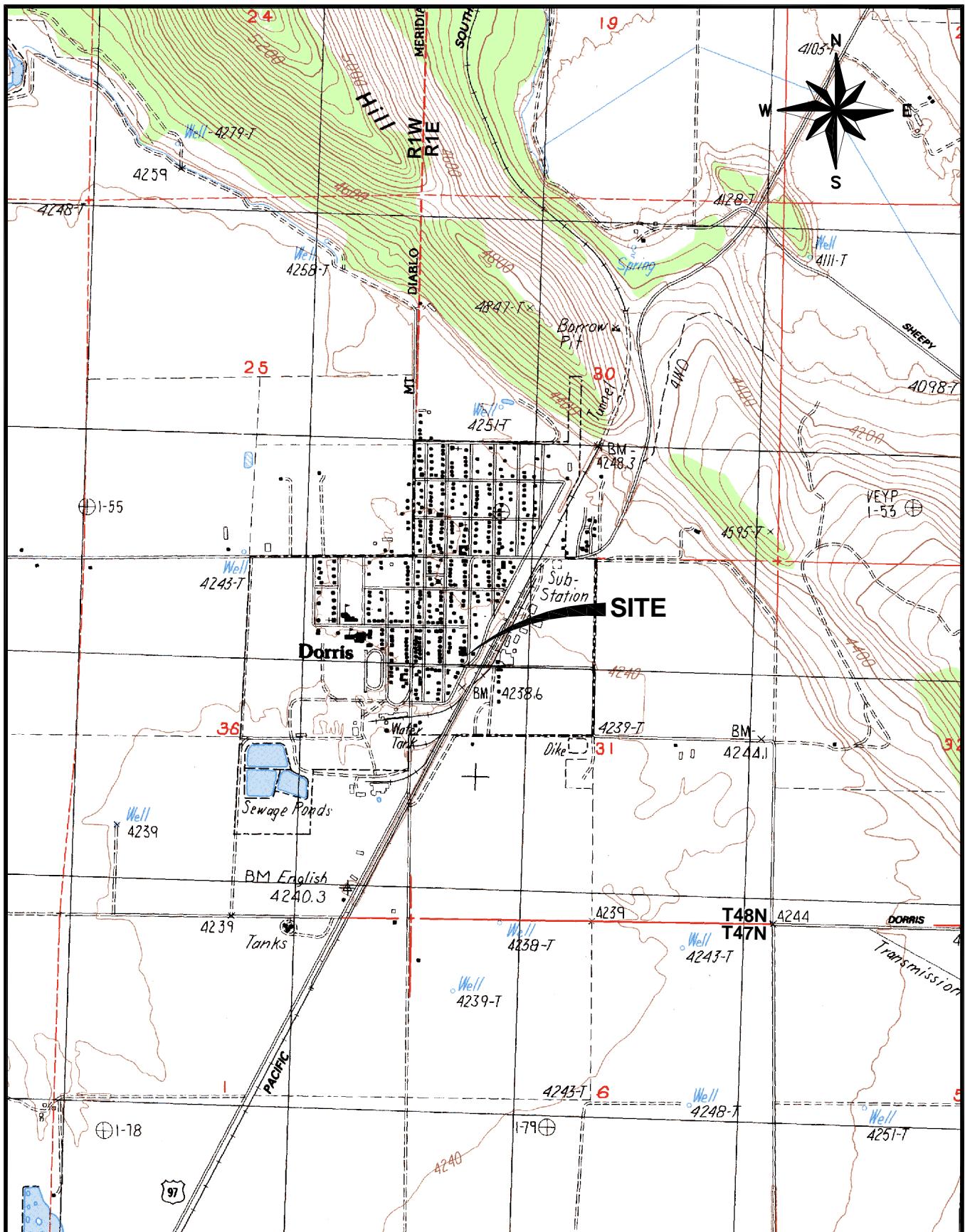
Bryan W. Gartner
Senior Geologist



enc. **Figure 1.** Site-Location Map
Figure 2. Groundwater Contours, June 1, 2005
Figure 3. TPH-Gasoline Concentrations In Groundwater, June 1, 2005

Appendix A: Historical Groundwater Elevations and Laboratory Data
Appendix B: Laboratory Reports, Chromatograms, and Chain of Custody Form
Appendix C: L&A Field Data Sheet

cc: Mr. Cody Walker, California Regional Water Quality Control Board, North Coast Region
Mr. John Ellis, Siskiyou County Public Health Department



SITE-LOCATION MAP

MAP ADAPTED FROM USGS 7.5-MINUTE
TOPOGRAPHIC QUAD, DORRIS, CALIF., 1985

LAWRENCE & ASSOCIATES
2001 MARKET STREET, RM. 523
REDDING, CA 96001
PHONE (530) 244-9703
FAX (530) 244-5021

SCALE: 1"=2000'

DATE: 5/13/2005

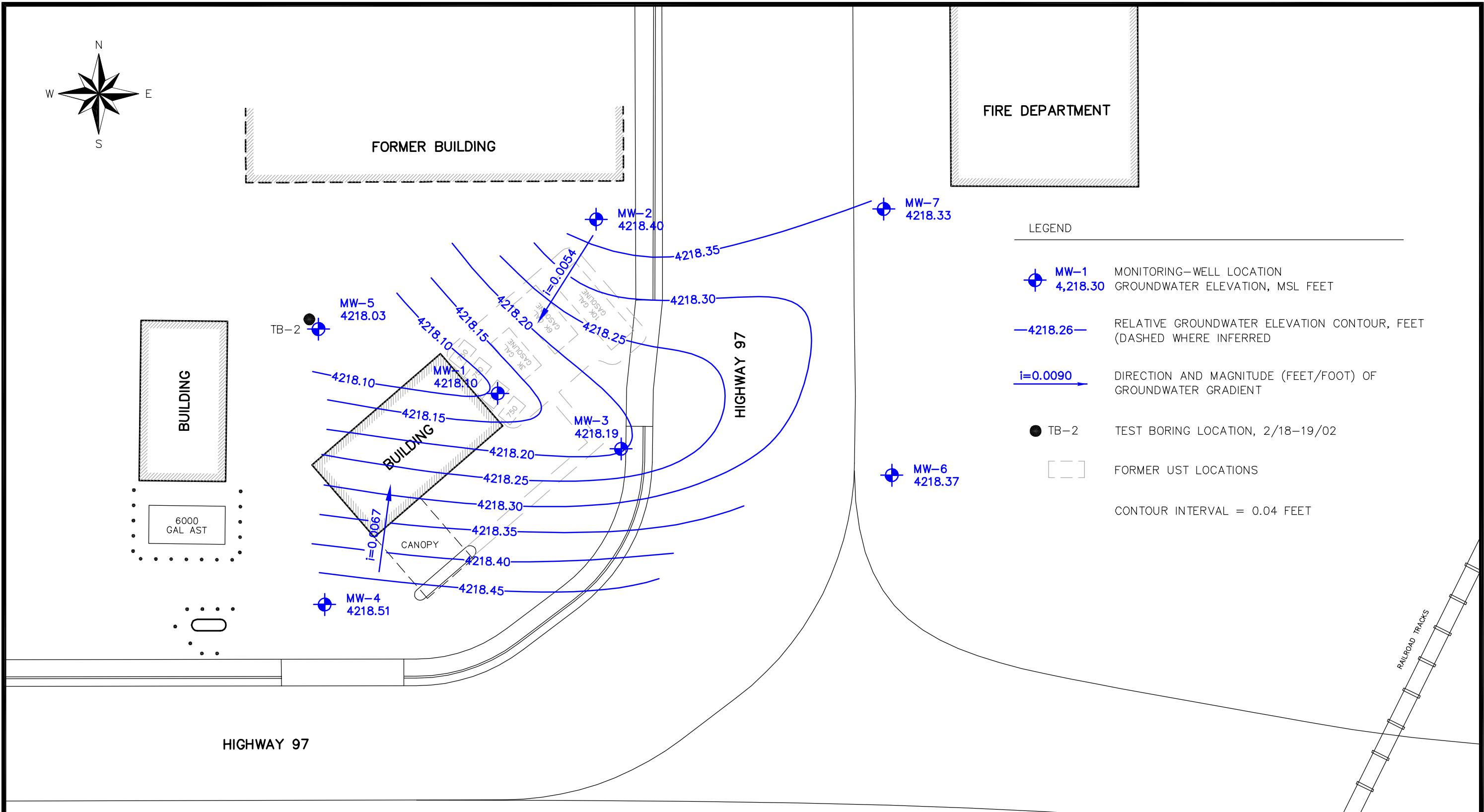
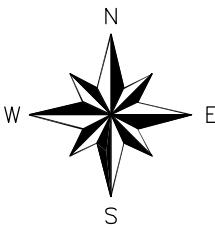
JOB NO: 003027.00

CLIENT:
ROBERT & JANET PACE

PROJECT:
GW MONITORING

DRAWN BY:
J. HOLDEN

FIGURE 1

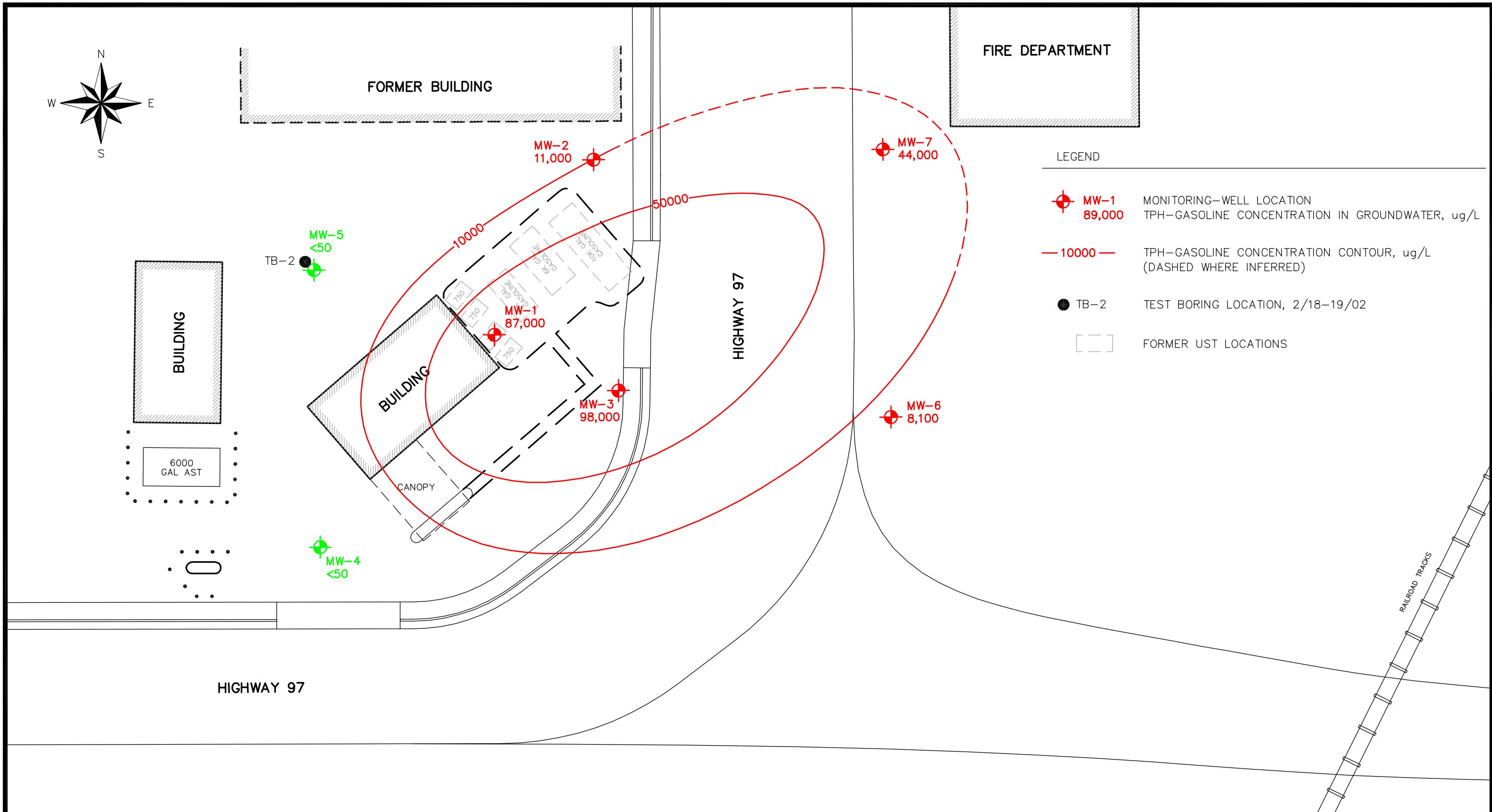


CLIENT: ROBERT & JANET PACE	PROJECT: DORRIS SHELL- GROUNDWATER MONITORING	DRAWN BY: D. ZAITZ	CHECKED BY: B. GARTNER
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LAWRENCE & ASSOCIATES
2001 MARKET STREET, RM. 523
REDDING, CA 96001
PHONE (530) 244-9703
FAX (530) 244-5021

SCALE:
1"=25'
DATE:
6/6/2005
JOB NO.:
003027.00

FIGURE 2



TPH-GASOLINE CONCENTRATIONS IN GROUNDWATER
JUNE 1, 2005

LAWRENCE & ASSOCIATES
2001 MARKET STREET, RM. 523
REDDING, CA 96001
PHONE (530) 244-9703
FAX (530) 244-5021

SCALE:
1"=25'
DATE:
10/19/2004
JOB NO.:
003027.00

CLIENT:
ROBERT & JANET PACE

PROJECT:
DORRIS SHELL - GROUNDWATER MONITORING

DRAWN BY:
D. ZAITZ

CHECKED BY:
B. GARTNER

FIGURE 3

APPENDIX A
Historical Groundwater Elevations and Laboratory Data

Historic Groundwater Data
Pace In/Out, Dorris, CA

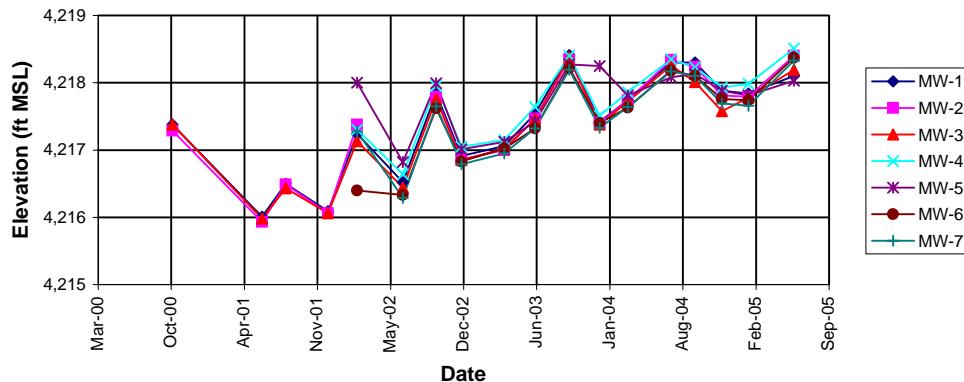
pH, pH units

Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
6/6/2001	6.72	6.75	6.52				
8/10/2001	6.77	6.83	6.69				
12/4/2001	6.65	6.79	6.60				
2/21/2002	6.97	7.21	6.95	7.45	7.56	7.72	7.29
6/27/2002	6.44		6.39	6.90	6.90	6.46	6.45
9/26/2002	6.48		6.56	6.49	6.72	6.81	6.32
12/4/2002	6.44	6.44	6.32	6.54	6.40	6.76	6.40
3/31/2003	6.38	6.66	6.55	7.11	7.03		6.47
6/23/2003	6.37	6.54	6.38	7.76	7.15	6.71	6.32
9/25/2003	6.60	6.64	6.49	6.95	7.02	6.67	6.54
12/17/2003	6.62	6.72	6.56	7.23	7.15	6.85	6.55
3/3/2004	6.62	6.74	6.63	7.15	7.04	6.87	6.59
6/29/2004	6.64	6.70	6.60	7.25	7.10	6.76	6.59
9/3/2004	6.72	6.77		6.97	7.12	6.75	6.63
11/16/2004		6.76		7.25	7.25	6.74	6.65
1/27/2005	6.66	6.70		7.06	6.49	6.75	6.63
6/1/2005	6.73	6.85	6.75	7.32	6.92	6.82	6.70

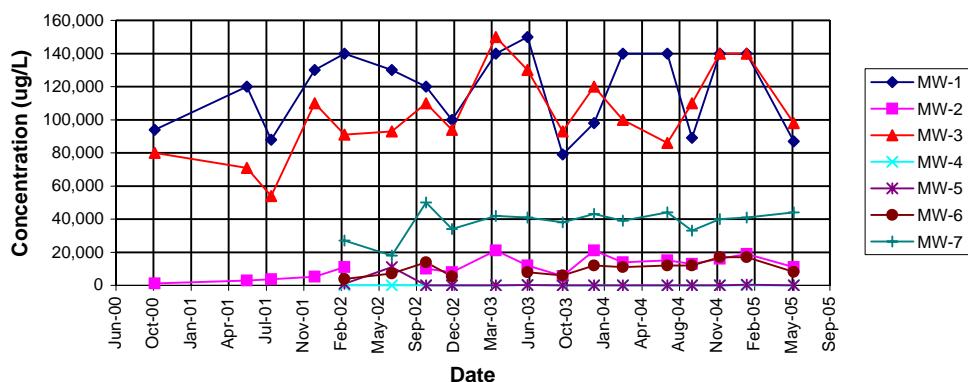
Temperature, degrees Celsius

Date	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7
6/6/2001	18.6	21.4	20.5				
8/10/2001	20.2	19.2	20.0				
12/4/2001	10.2	9.9	10.9				
2/21/2002	13.8	12.8	13.8	12.5	10.8	11.7	10.1
6/27/2002	18.4		19.4	21.6	25.5	18.2	19.6
9/26/2002	22.1	20.7	22.2	20.4	20.6	18.2	19.5
12/4/2002	11.4	11.0	12.5	11.6	10.5	11.9	11.7
3/31/2003	15.2	14.1	15.2	15.8	15.2		16.1
6/23/2003	15.1	14.7	14.4	14.8	19.3	16.7	16.2
9/25/2003	15.5	14.1	15.9	19.1	16.1	19.0	17.0
12/17/2003	10.6	14.0	13.8	9.3	10.5	9.8	10.0
3/3/2004	8.5	9.6	12.1	11.0	9.3	10.1	10.3
6/29/2004	15.6	14.8	16.2	17.6	15.1	17.1	15.8
9/3/2004	16.1	15.4		17.3	15.8	16.8	16.3
11/16/2004		14.3		15.6	14.7	15.3	14.9
1/27/2005	13.7	13.1		14.4	12.6	13.5	13.1
6/1/2005	18.6	16.5	17.5	17.8	18.9	17.9	16.2

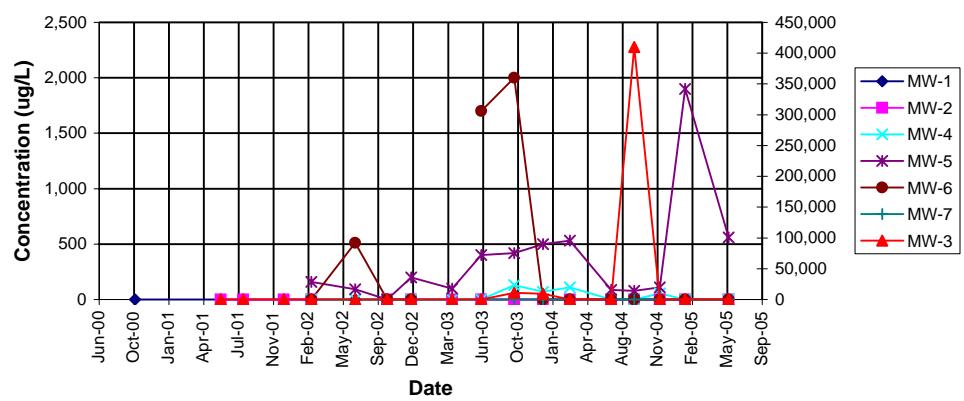
Groundwater Elevations vs. Time
Pace In/Out, Dorris, CA



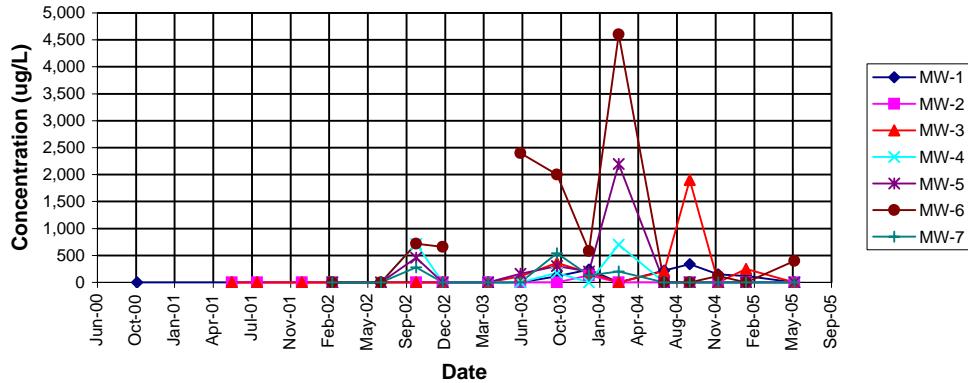
TPH-Gasoline Concentrations vs. Time
Pace In/Out, Dorris, CA



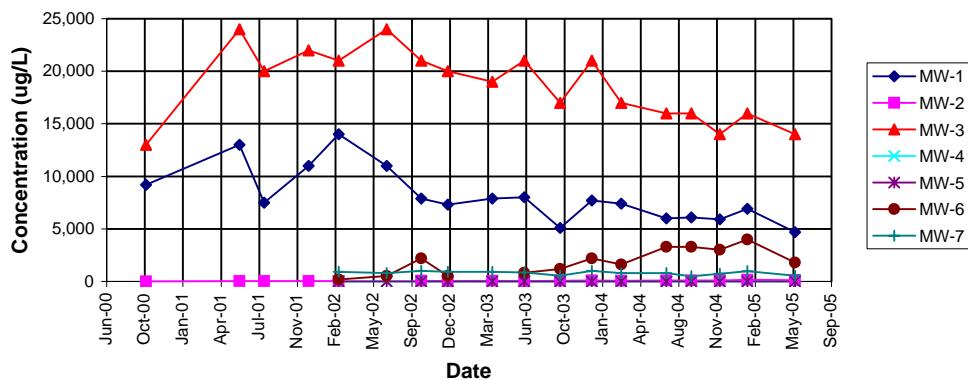
TPH-Diesel Concentrations vs. Time
Pace In/Out, Dorris, CA



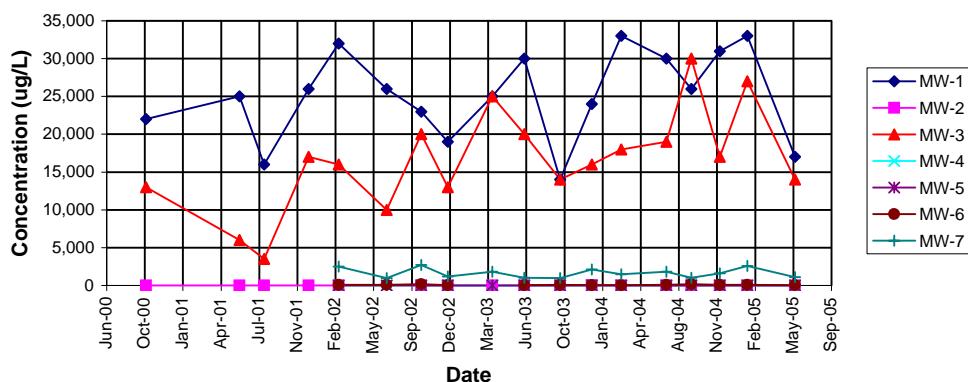
TPH-Motor Oil Concentrations vs. Time
Pace In/Out, Dorris, CA



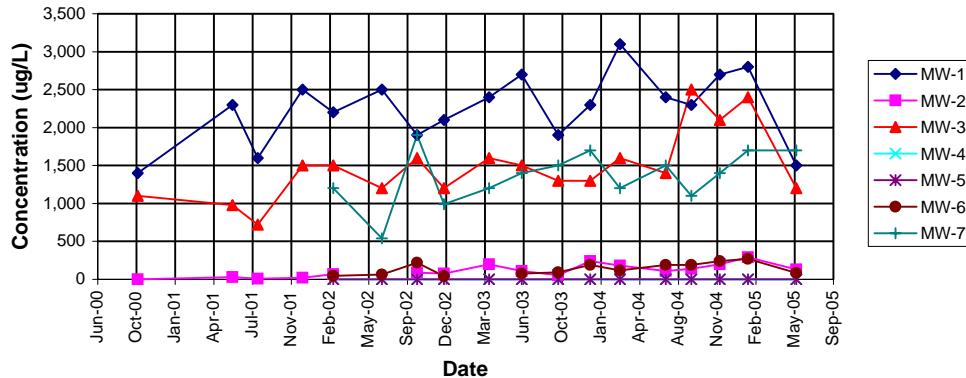
Benzene Concentrations vs. Time
Pace In/Out, Dorris, CA



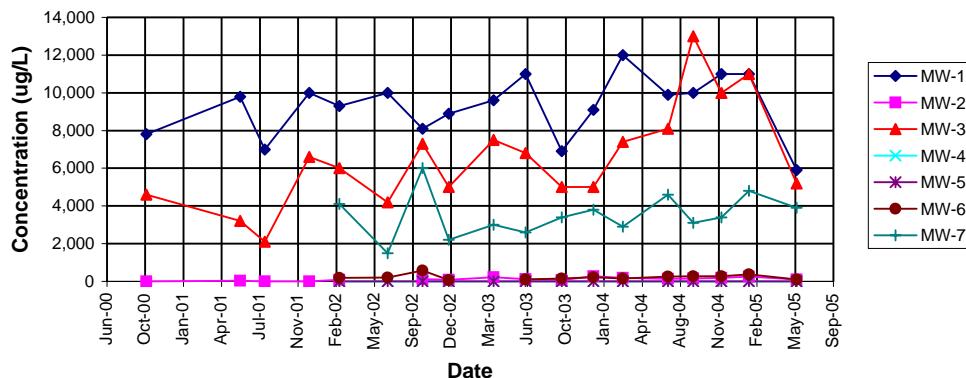
Toluene Concentrations vs. Time
Pace In/Out, Dorris, CA



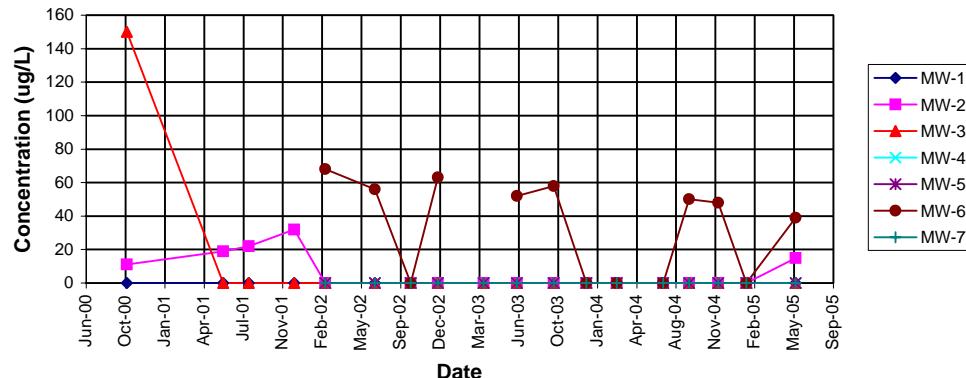
Ethylbenzene Concentrations vs. Time Pace In/Out, Dorris, CA



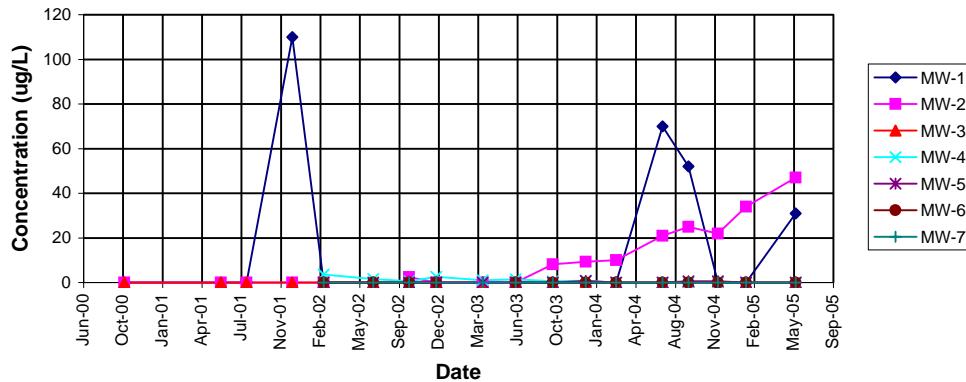
Total Xylenes Concentrations vs. Time Pace In/Out, Dorris, CA



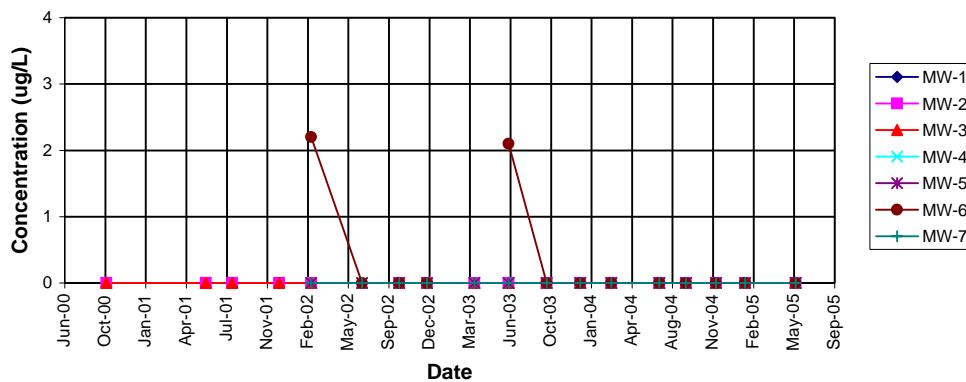
TBA Concentrations vs. Time Pace In/Out, Dorris, CA



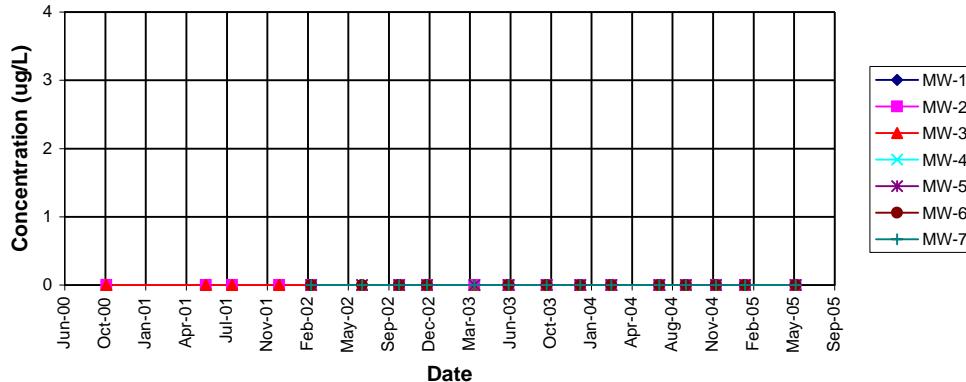
MTBE Concentrations vs. Time
Pace In/Out, Dorris, CA



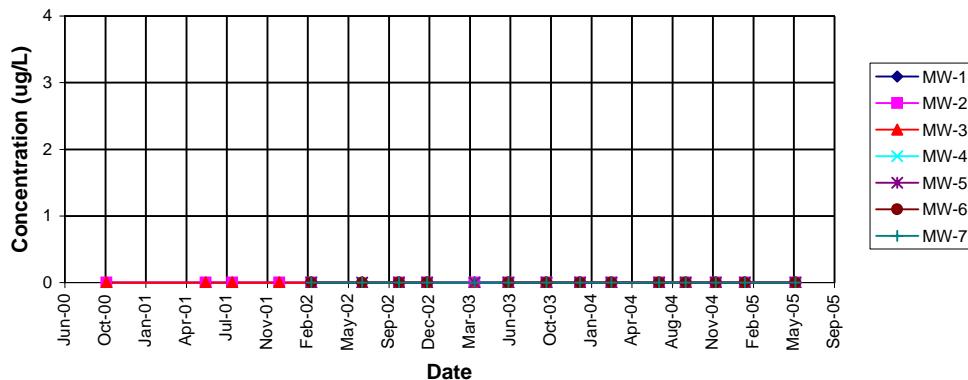
DIPE Concentrations vs. Time
Pace In/Out, Dorris, CA



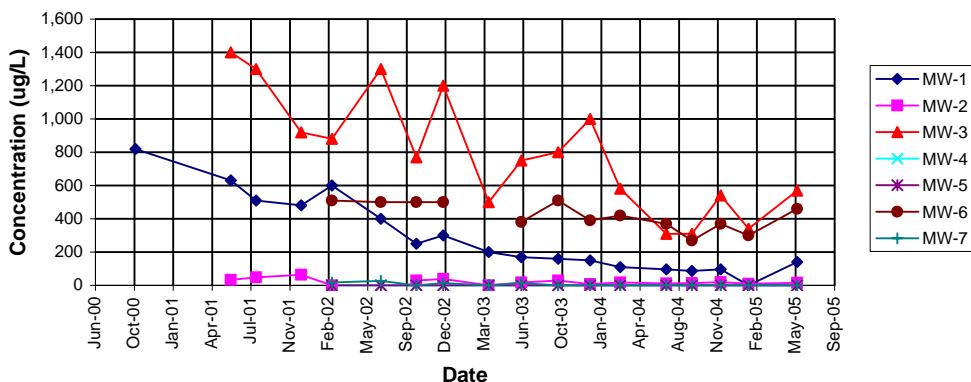
ETBE Concentrations vs. Time
Pace In/Out, Dorris, CA



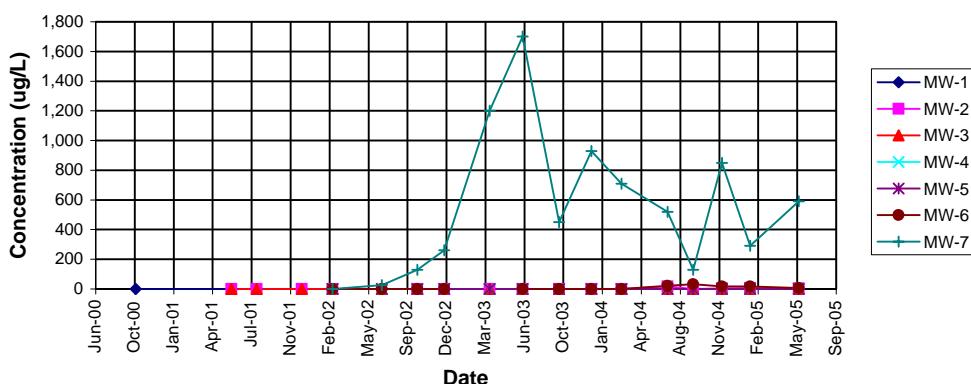
TAME Concentrations vs. Time
Pace In/Out, Dorris, CA



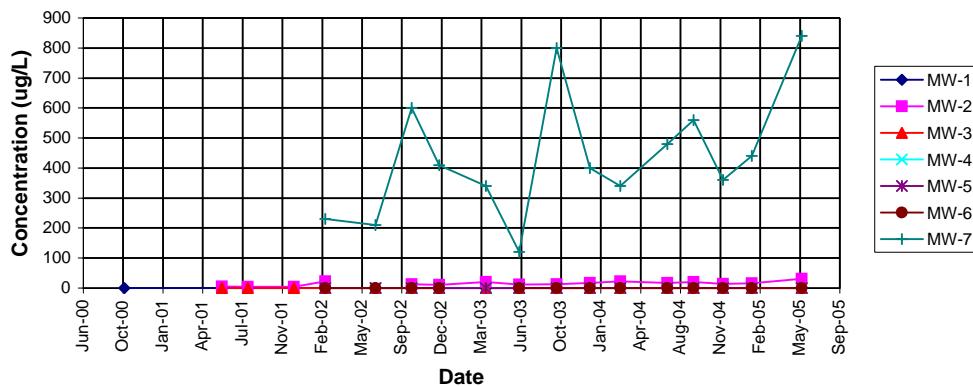
1,2-DCA Concentrations vs. Time
Pace In/Out, Dorris, CA



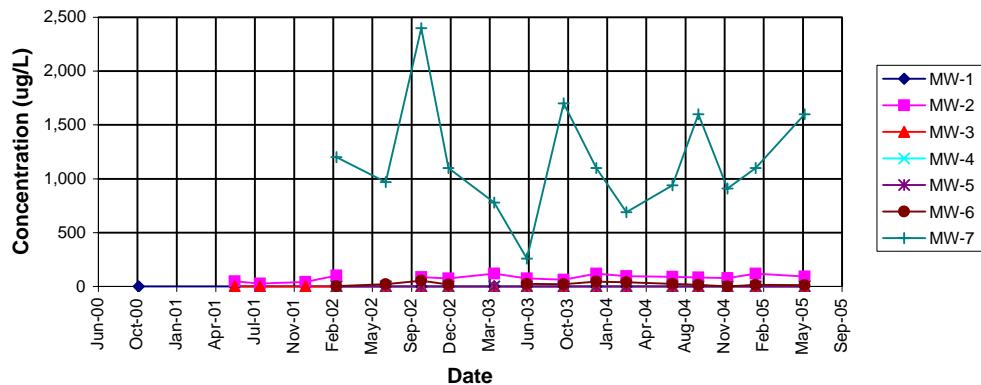
cis-1,2-DCE Concentrations vs. Time
Pace In/Out, Dorris, CA



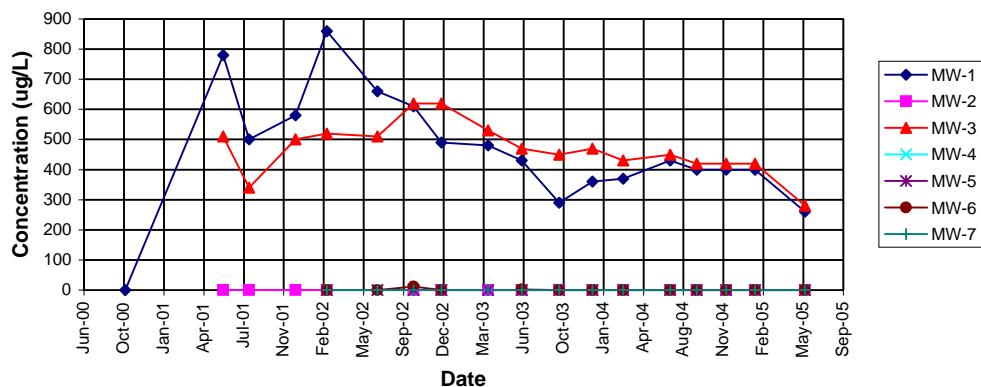
TCE Concentrations vs. Time Pace In/Out, Dorris, CA



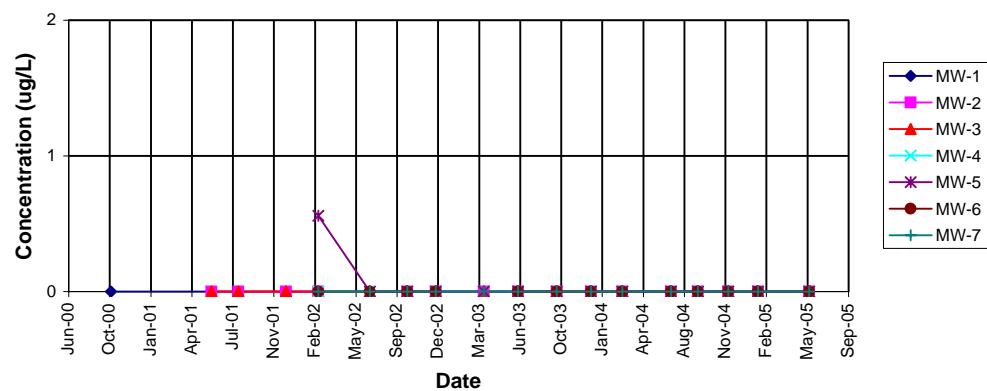
PCE Concentrations vs. Time Pace In/Out, Dorris, CA



1,2-Dibromoethane Concentrations vs. Time Pace In/Out, Dorris, CA



Chlorobenzene Concentrations vs. Time
Pace In/Out, Dorris, CA



APPENDIX B
Laboratory Reports, Chromatograms, and Chain of Custody
Form



Report Number : 44121

Date : 6/14/2005

Scott Brooks
Lawrence & Associates
2001 Market Street, Room 523
Redding, CA 96001

Subject : 7 Water Samples
Project Name : PACE IN/OUT
Project Number : 003027.00 TASK 5

Dear Mr. Brooks,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

A handwritten signature in black ink that reads "Joel Kiff".

Joel Kiff

Subject : 7 Water Samples
Project Name : PACE IN/OUT
Project Number : 003027.00 TASK 5

Case Narrative

The Method Reporting Limit for Chloromethane has been increased due to the presence of an interfering compound for sample MW-6.

The Method Reporting Limit for Bromodichloromethane has been increased due to the presence of an interfering compound for sample MW-2.

The Method Reporting Limit for Chloroethane has been increased due to the presence of an interfering compound for sample MW-2.

The Method Reporting Limit for TPH as Diesel is increased due to interference from Gasoline-Range Hydrocarbons for samples MW-1, MW-2, MW-3, MW-6 and MW-7.

Hydrocarbons reported as TPH as Diesel do not exhibit a typical Diesel chromatographic pattern for sample MW-5.

Hydrocarbons reported as TPH as Motor Oil do not exhibit a typical Motor Oil chromatographic pattern for sample MW-6.

Approved By:

Joe Kiff

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800



Report Number : 44121

Date : 6/14/2005

Project Name : PACE IN/OUT

Project Number : 003027.00 TASK 5

Sample : MW-1

Matrix : Water

Lab Number : 44121-01

Sample Date : 6/1/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 4000	4000	ug/L	M EPA 8015	6/8/2005
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	6/8/2005
Octacosane (Diesel Surrogate)	104		% Recovery	M EPA 8015	6/8/2005

Sample : MW-2

Matrix : Water

Lab Number : 44121-02

Sample Date : 6/1/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 2000	2000	ug/L	M EPA 8015	6/8/2005
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	6/8/2005
Octacosane (Diesel Surrogate)	102		% Recovery	M EPA 8015	6/8/2005

Sample : MW-3

Matrix : Water

Lab Number : 44121-03

Sample Date : 6/1/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 5000	5000	ug/L	M EPA 8015	6/8/2005
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	6/8/2005
Octacosane (Diesel Surrogate)	109		% Recovery	M EPA 8015	6/8/2005

Approved By:

Joel Kiff



Report Number : 44121

Date : 6/14/2005

Project Name : PACE IN/OUT

Project Number : 003027.00 TASK 5

Sample : MW-4

Matrix : Water

Lab Number : 44121-04

Sample Date : 6/1/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	6/8/2005
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	6/8/2005
Octacosane (Diesel Surrogate)	109		% Recovery	M EPA 8015	6/8/2005

Sample : MW-5

Matrix : Water

Lab Number : 44121-05

Sample Date : 6/1/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	560	50	ug/L	M EPA 8015	6/8/2005
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	6/8/2005
Octacosane (Diesel Surrogate)	113		% Recovery	M EPA 8015	6/8/2005

Sample : MW-6

Matrix : Water

Lab Number : 44121-06

Sample Date : 6/1/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 1000	1000	ug/L	M EPA 8015	6/8/2005
TPH as Motor Oil	400	100	ug/L	M EPA 8015	6/8/2005
Octacosane (Diesel Surrogate)	113		% Recovery	M EPA 8015	6/8/2005

Approved By:

Joel Kiff



Report Number : 44121

Date : 6/14/2005

Project Name : PACE IN/OUT

Project Number : 003027.00 TASK 5

Sample : MW-7

Matrix : Water

Lab Number : 44121-07

Sample Date : 6/1/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 5000	5000	ug/L	M EPA 8015	6/8/2005
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	6/8/2005
Octacosane (Diesel Surrogate)	112		% Recovery	M EPA 8015	6/8/2005

Approved By:

Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800



Report Number : 44121

Date : 6/14/2005

Sample : MW-1

Project Name : PACE IN/OUT

Project Number : 003027.00 TASK 5 Lab Number : 44121-01 Date Analyzed : 6/9/2005

Matrix : Water

Sample Date : 6/1/2005

Analysis Method: EPA 8260B

Parameter	Measured Value	MRL ¹	Units	Parameter	Measured Value	MRL ¹	Units
Benzene	4700	30	ug/L	1,4-Dichlorobenzene	< 30	30	ug/L
Toluene	17000	30	ug/L	1,2-Dichlorobenzene	< 30	30	ug/L
Ethylbenzene	1500	30	ug/L	1,2-Dibromoethane	260	30	ug/L
Total Xylenes	5900	30	ug/L	Toluene - d8 (Surr)	101		% Recovery
Methyl-t-butyl ether (MTBE)	31	30	ug/L	4-Bromofluorobenzene (Surr)	96.1		% Recovery
Diisopropyl ether (DIPE)	< 30	30	ug/L	Dibromofluoromethane (Surr)	99.9		% Recovery
Ethyl-t-butyl ether (ETBE)	< 30	30	ug/L	1,2-Dichloroethane-d4 (Surr)	98.0		% Recovery
Tert-amyl methyl ether (TAME)	< 30	30	ug/L				
Tert-Butanol	< 150	150	ug/L				
TPH as Gasoline	87000	3000	ug/L				
Chloromethane	< 30	30	ug/L				
Vinyl Chloride	< 30	30	ug/L				
Bromomethane	< 150	150	ug/L				
Chloroethane	< 30	30	ug/L				
Trichlorofluoromethane	< 30	30	ug/L				
1,1-Dichloroethene	< 30	30	ug/L				
Methylene Chloride	< 30	30	ug/L				
trans-1,2-Dichloroethene	< 30	30	ug/L				
1,1-Dichloroethane	< 30	30	ug/L				
cis-1,2-Dichloroethene	< 30	30	ug/L				
Chloroform	< 30	30	ug/L				
1,1,1-Trichloroethane	< 30	30	ug/L				
1,2-Dichloroethane	140	30	ug/L				
Carbon Tetrachloride	< 30	30	ug/L				
Trichloroethene	< 30	30	ug/L				
1,2-Dichloropropane	< 30	30	ug/L				
Bromodichloromethane	< 30	30	ug/L				
cis-1,3-Dichloropropene	< 30	30	ug/L				
trans-1,3-Dichloropropene	< 30	30	ug/L				
1,1,2-Trichloroethane	< 30	30	ug/L				
Tetrachloroethene	< 30	30	ug/L				
Dibromochloromethane	< 30	30	ug/L				
Chlorobenzene	< 30	30	ug/L				
Bromoform	< 30	30	ug/L				
1,1,2,2-Tetrachloroethane	< 30	30	ug/L				
1,3-Dichlorobenzene	< 30	30	ug/L				

1) MRL = Method reporting limit

2) MRL raised due to interference

Approved By:

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800


Joel Kiff



Report Number : 44121

Date : 6/14/2005

Sample : MW-2

Project Name : PACE IN/OUT

Project Number : 003027.00 TASK 5 Lab Number : 44121-02 Date Analyzed : 6/7/2005

Matrix : Water

Sample Date : 6/1/2005

Analysis Method: EPA 8260B

Parameter	Measured Value	MRL ¹	Units	Parameter	Measured Value	MRL ¹	Units
Benzene	120	1.5	ug/L	1,4-Dichlorobenzene	< 1.5	1.5	ug/L
Toluene	10	1.5	ug/L	1,2-Dichlorobenzene	< 1.5	1.5	ug/L
Ethylbenzene	130	1.5	ug/L	1,2-Dibromoethane	< 1.5	1.5	ug/L
Total Xylenes	110	1.5	ug/L	Toluene - d8 (Surr)	96.0		% Recovery
Methyl-t-butyl ether (MTBE)	47	1.5	ug/L	4-Bromofluorobenzene (Surr)	98.8		% Recovery
Diisopropyl ether (DIPE)	< 1.5	1.5	ug/L	Dibromofluoromethane (Surr)	98.8		% Recovery
Ethyl-t-butyl ether (ETBE)	< 1.5	1.5	ug/L	1,2-Dichloroethane-d4 (Surr)	97.1		% Recovery
Tert-amyl methyl ether (TAME)	< 1.5	1.5	ug/L				
Tert-Butanol	15	6.0	ug/L				
TPH as Gasoline	11000	150	ug/L				
Chloromethane	< 1.5	1.5	ug/L				
Vinyl Chloride	< 1.5	1.5	ug/L				
Bromomethane	< 20	20	ug/L				
Chloroethane	< 5.0	5.0 (2)	ug/L				
Trichlorofluoromethane	< 1.5	1.5	ug/L				
1,1-Dichloroethene	< 1.5	1.5	ug/L				
Methylene Chloride	< 5.0	5.0	ug/L				
trans-1,2-Dichloroethene	< 1.5	1.5	ug/L				
1,1-Dichloroethane	< 1.5	1.5	ug/L				
cis-1,2-Dichloroethene	5.1	1.5	ug/L				
Chloroform	< 1.5	1.5	ug/L				
1,1,1-Trichloroethane	< 1.5	1.5	ug/L				
1,2-Dichloroethane	16	1.5	ug/L				
Carbon Tetrachloride	< 1.5	1.5	ug/L				
Trichloroethene	31	1.5	ug/L				
1,2-Dichloropropane	< 1.5	1.5	ug/L				
Bromodichloromethane	< 2.0	2.0 (2)	ug/L				
cis-1,3-Dichloropropene	< 1.5	1.5	ug/L				
trans-1,3-Dichloropropene	< 1.5	1.5	ug/L				
1,1,2-Trichloroethane	< 1.5	1.5	ug/L				
Tetrachloroethene	92	1.5	ug/L				
Dibromochloromethane	< 1.5	1.5	ug/L				
Chlorobenzene	< 1.5	1.5	ug/L				
Bromoform	< 1.5	1.5	ug/L				
1,1,2,2-Tetrachloroethane	< 1.5	1.5	ug/L				
1,3-Dichlorobenzene	< 1.5	1.5	ug/L				

1) MRL = Method reporting limit

2) MRL raised due to interference

Approved By:

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800


Joel Kiff



Report Number : 44121

Date : 6/14/2005

Sample : MW-3

Project Name : PACE IN/OUT

Project Number : 003027.00 TASK 5 Lab Number : 44121-03 Date Analyzed : 6/10/2005

Matrix : Water

Sample Date : 6/1/2005

Analysis Method: EPA 8260B

Parameter	Measured Value	MRL ¹	Units	Parameter	Measured Value	MRL ¹	Units
Benzene	14000	25	ug/L	1,4-Dichlorobenzene	< 25	25	ug/L
Toluene	14000	25	ug/L	1,2-Dichlorobenzene	< 25	25	ug/L
Ethylbenzene	1200	25	ug/L	1,2-Dibromoethane	280	25	ug/L
Total Xylenes	5200	25	ug/L	Toluene - d8 (Surr)	101		% Recovery
Methyl-t-butyl ether (MTBE)	< 25	25	ug/L	4-Bromofluorobenzene (Surr)	94.6		% Recovery
Diisopropyl ether (DIPE)	< 25	25	ug/L	Dibromofluoromethane (Surr)	99.5		% Recovery
Ethyl-t-butyl ether (ETBE)	< 25	25	ug/L	1,2-Dichloroethane-d4 (Surr)	98.4		% Recovery
Tert-amyl methyl ether (TAME)	< 25	25	ug/L				
Tert-Butanol	< 150	150	ug/L				
TPH as Gasoline	98000	2500	ug/L				
Chloromethane	< 25	25	ug/L				
Vinyl Chloride	< 25	25	ug/L				
Bromomethane	< 100	100	ug/L				
Chloroethane	< 25	25	ug/L				
Trichlorofluoromethane	< 25	25	ug/L				
1,1-Dichloroethene	< 25	25	ug/L				
Methylene Chloride	< 25	25	ug/L				
trans-1,2-Dichloroethene	< 25	25	ug/L				
1,1-Dichloroethane	< 25	25	ug/L				
cis-1,2-Dichloroethene	< 25	25	ug/L				
Chloroform	< 25	25	ug/L				
1,1,1-Trichloroethane	< 25	25	ug/L				
1,2-Dichloroethane	570	25	ug/L				
Carbon Tetrachloride	< 25	25	ug/L				
Trichloroethene	< 25	25	ug/L				
1,2-Dichloropropane	< 25	25	ug/L				
Bromodichloromethane	< 25	25	ug/L				
cis-1,3-Dichloropropene	< 25	25	ug/L				
trans-1,3-Dichloropropene	< 25	25	ug/L				
1,1,2-Trichloroethane	< 25	25	ug/L				
Tetrachloroethene	< 25	25	ug/L				
Dibromochloromethane	< 25	25	ug/L				
Chlorobenzene	< 25	25	ug/L				
Bromoform	< 25	25	ug/L				
1,1,2,2-Tetrachloroethane	< 25	25	ug/L				
1,3-Dichlorobenzene	< 25	25	ug/L				

1) MRL = Method reporting limit

2) MRL raised due to interference

Approved By:

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800


Joel Kiff



Report Number : 44121

Date : 6/14/2005

Sample : MW-4

Project Name : PACE IN/OUT

Project Number : 003027.00 TASK 5 Lab Number : 44121-04 Date Analyzed : 6/7/2005

Matrix : Water

Sample Date : 6/1/2005

Analysis Method: EPA 8260B

Parameter	Measured Value	MRL ¹	Units	Parameter	Measured Value	MRL ¹	Units
Benzene	< 0.50	0.50	ug/L	1,4-Dichlorobenzene	< 0.50	0.50	ug/L
Toluene	< 0.50	0.50	ug/L	1,2-Dichlorobenzene	< 0.50	0.50	ug/L
Ethylbenzene	< 0.50	0.50	ug/L	1,2-Dibromoethane	< 0.50	0.50	ug/L
Total Xylenes	< 0.50	0.50	ug/L	Toluene - d8 (Surr)	101		% Recovery
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	4-Bromofluorobenzene (Surr)	95.8		% Recovery
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	Dibromofluoromethane (Surr)	101		% Recovery
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	1,2-Dichloroethane-d4 (Surr)	99.1		% Recovery
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L				
Tert-Butanol	< 5.0	5.0	ug/L				
TPH as Gasoline	< 50	50	ug/L				
Chloromethane	< 0.50	0.50	ug/L				
Vinyl Chloride	< 0.50	0.50	ug/L				
Bromomethane	< 20	20	ug/L				
Chloroethane	< 0.50	0.50	ug/L				
Trichlorofluoromethane	< 0.50	0.50	ug/L				
1,1-Dichloroethene	< 0.50	0.50	ug/L				
Methylene Chloride	< 5.0	5.0	ug/L				
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L				
1,1-Dichloroethane	< 0.50	0.50	ug/L				
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L				
Chloroform	< 0.50	0.50	ug/L				
1,1,1-Trichloroethane	< 0.50	0.50	ug/L				
1,2-Dichloroethane	< 0.50	0.50	ug/L				
Carbon Tetrachloride	< 0.50	0.50	ug/L				
Trichloroethene	< 0.50	0.50	ug/L				
1,2-Dichloropropane	< 0.50	0.50	ug/L				
Bromodichloromethane	< 0.50	0.50	ug/L				
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L				
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L				
1,1,2-Trichloroethane	< 0.50	0.50	ug/L				
Tetrachloroethene	< 0.50	0.50	ug/L				
Dibromochloromethane	< 0.50	0.50	ug/L				
Chlorobenzene	< 0.50	0.50	ug/L				
Bromoform	< 0.50	0.50	ug/L				
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L				
1,3-Dichlorobenzene	< 0.50	0.50	ug/L				

1) MRL = Method reporting limit

2) MRL raised due to interference

Approved By:

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800


Joel Kiff



Report Number : 44121

Date : 6/14/2005

Sample : MW-5

Project Name : PACE IN/OUT

Project Number : 003027.00 TASK 5 Lab Number : 44121-05 Date Analyzed : 6/8/2005

Matrix : Water

Sample Date : 6/1/2005

Analysis Method: EPA 8260B

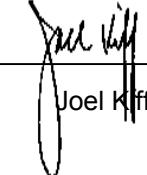
Parameter	Measured Value	MRL ¹	Units	Parameter	Measured Value	MRL ¹	Units
Benzene	< 0.50	0.50	ug/L	1,4-Dichlorobenzene	< 0.50	0.50	ug/L
Toluene	< 0.50	0.50	ug/L	1,2-Dichlorobenzene	< 0.50	0.50	ug/L
Ethylbenzene	< 0.50	0.50	ug/L	1,2-Dibromoethane	< 0.50	0.50	ug/L
Total Xylenes	< 0.50	0.50	ug/L	Toluene - d8 (Surr)	96.9		% Recovery
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	4-Bromofluorobenzene (Surr)	96.7		% Recovery
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	Dibromofluoromethane (Surr)	110		% Recovery
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	1,2-Dichloroethane-d4 (Surr)	106		% Recovery
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L				
Tert-Butanol	< 5.0	5.0	ug/L				
TPH as Gasoline	< 50	50	ug/L				
Chloromethane	< 0.50	0.50	ug/L				
Vinyl Chloride	< 0.50	0.50	ug/L				
Bromomethane	< 20	20	ug/L				
Chloroethane	< 0.50	0.50	ug/L				
Trichlorofluoromethane	< 0.50	0.50	ug/L				
1,1-Dichloroethene	< 0.50	0.50	ug/L				
Methylene Chloride	< 5.0	5.0	ug/L				
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L				
1,1-Dichloroethane	< 0.50	0.50	ug/L				
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L				
Chloroform	< 0.50	0.50	ug/L				
1,1,1-Trichloroethane	< 0.50	0.50	ug/L				
1,2-Dichloroethane	< 0.50	0.50	ug/L				
Carbon Tetrachloride	< 0.50	0.50	ug/L				
Trichloroethene	< 0.50	0.50	ug/L				
1,2-Dichloropropane	< 0.50	0.50	ug/L				
Bromodichloromethane	< 0.50	0.50	ug/L				
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L				
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L				
1,1,2-Trichloroethane	< 0.50	0.50	ug/L				
Tetrachloroethene	< 0.50	0.50	ug/L				
Dibromochloromethane	< 0.50	0.50	ug/L				
Chlorobenzene	< 0.50	0.50	ug/L				
Bromoform	< 0.50	0.50	ug/L				
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L				
1,3-Dichlorobenzene	< 0.50	0.50	ug/L				

1) MRL = Method reporting limit

2) MRL raised due to interference

Approved By:

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800


Joel Kiff



Report Number : 44121

Date : 6/14/2005

Sample : MW-6

Project Name : PACE IN/OUT

Project Number : 003027.00 TASK 5 Lab Number : 44121-06 Date Analyzed : 6/8/2005

Matrix : Water

Sample Date : 6/1/2005

Analysis Method: EPA 8260B

Parameter	Measured Value	MRL ¹	Units	Parameter	Measured Value	MRL ¹	Units
Benzene	1800	5.0	ug/L	1,4-Dichlorobenzene	< 5.0	5.0	ug/L
Toluene	48	5.0	ug/L	1,2-Dichlorobenzene	< 5.0	5.0	ug/L
Ethylbenzene	83	5.0	ug/L	1,2-Dibromoethane	< 5.0	5.0	ug/L
Total Xylenes	110	5.0	ug/L	Toluene - d8 (Surr)	97.0		% Recovery
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	4-Bromofluorobenzene (Surr)	99.8		% Recovery
Diisopropyl ether (DIPE)	< 5.0	5.0	ug/L	Dibromofluoromethane (Surr)	99.7		% Recovery
Ethyl-t-butyl ether (ETBE)	< 5.0	5.0	ug/L	1,2-Dichloroethane-d4 (Surr)	97.0		% Recovery
Tert-amyl methyl ether (TAME)	< 5.0	5.0	ug/L				
Tert-Butanol	39	25	ug/L				
TPH as Gasoline	8100	500	ug/L				
Chloromethane	< 10	10 (2)	ug/L				
Vinyl Chloride	< 5.0	5.0	ug/L				
Bromomethane	< 20	20	ug/L				
Chloroethane	< 5.0	5.0	ug/L				
Trichlorofluoromethane	< 5.0	5.0	ug/L				
1,1-Dichloroethene	< 5.0	5.0	ug/L				
Methylene Chloride	< 5.0	5.0	ug/L				
trans-1,2-Dichloroethene	< 5.0	5.0	ug/L				
1,1-Dichloroethane	< 5.0	5.0	ug/L				
cis-1,2-Dichloroethene	7.1	5.0	ug/L				
Chloroform	< 5.0	5.0	ug/L				
1,1,1-Trichloroethane	< 5.0	5.0	ug/L				
1,2-Dichloroethane	460	5.0	ug/L				
Carbon Tetrachloride	< 5.0	5.0	ug/L				
Trichloroethene	< 5.0	5.0	ug/L				
1,2-Dichloropropane	< 5.0	5.0	ug/L				
Bromodichloromethane	< 5.0	5.0	ug/L				
cis-1,3-Dichloropropene	< 5.0	5.0	ug/L				
trans-1,3-Dichloropropene	< 5.0	5.0	ug/L				
1,1,2-Trichloroethane	< 5.0	5.0	ug/L				
Tetrachloroethene	12	5.0	ug/L				
Dibromochloromethane	< 5.0	5.0	ug/L				
Chlorobenzene	< 5.0	5.0	ug/L				
Bromoform	< 5.0	5.0	ug/L				
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/L				
1,3-Dichlorobenzene	< 5.0	5.0	ug/L				

1) MRL = Method reporting limit

2) MRL raised due to interference

Approved By:

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800


Joel Kiff



Report Number : 44121

Date : 6/14/2005

Sample : MW-7

Project Name : PACE IN/OUT

Project Number : 003027.00 TASK 5 Lab Number : 44121-07 Date Analyzed : 6/6/2005

Matrix : Water

Sample Date : 6/1/2005

Analysis Method: EPA 8260B

Parameter	Measured Value	MRL ¹	Units	Parameter	Measured Value	MRL ¹	Units
Benzene	540	9.0	ug/L	1,4-Dichlorobenzene	< 9.0	9.0	ug/L
Toluene	1100	9.0	ug/L	1,2-Dichlorobenzene	< 9.0	9.0	ug/L
Ethylbenzene	1700	9.0	ug/L	1,2-Dibromoethane	< 9.0	9.0	ug/L
Total Xylenes	3900	9.0	ug/L	Toluene - d8 (Surr)	95.2		% Recovery
Methyl-t-butyl ether (MTBE)	< 9.0	9.0	ug/L	4-Bromofluorobenzene (Surr)	99.8		% Recovery
Diisopropyl ether (DIPE)	< 9.0	9.0	ug/L	Dibromofluoromethane (Surr)	101		% Recovery
Ethyl-t-butyl ether (ETBE)	< 9.0	9.0	ug/L	1,2-Dichloroethane-d4 (Surr)	98.7		% Recovery
Tert-amyl methyl ether (TAME)	< 9.0	9.0	ug/L				
Tert-Butanol	< 50	50	ug/L				
TPH as Gasoline	44000	900	ug/L				
Chloromethane	< 9.0	9.0	ug/L				
Vinyl Chloride	< 9.0	9.0	ug/L				
Bromomethane	< 40	40	ug/L				
Chloroethane	< 9.0	9.0	ug/L				
Trichlorofluoromethane	< 9.0	9.0	ug/L				
1,1-Dichloroethene	< 9.0	9.0	ug/L				
Methylene Chloride	< 9.0	9.0	ug/L				
trans-1,2-Dichloroethene	< 9.0	9.0	ug/L				
1,1-Dichloroethane	< 9.0	9.0	ug/L				
cis-1,2-Dichloroethene	590	9.0	ug/L				
Chloroform	< 9.0	9.0	ug/L				
1,1,1-Trichloroethane	< 9.0	9.0	ug/L				
1,2-Dichloroethane	< 9.0	9.0	ug/L				
Carbon Tetrachloride	< 9.0	9.0	ug/L				
Trichloroethene	840	9.0	ug/L				
1,2-Dichloropropane	< 9.0	9.0	ug/L				
Bromodichloromethane	< 9.0	9.0	ug/L				
cis-1,3-Dichloropropene	< 9.0	9.0	ug/L				
trans-1,3-Dichloropropene	< 9.0	9.0	ug/L				
1,1,2-Trichloroethane	< 9.0	9.0	ug/L				
Tetrachloroethene	1600	9.0	ug/L				
Dibromochloromethane	< 9.0	9.0	ug/L				
Chlorobenzene	< 9.0	9.0	ug/L				
Bromoform	< 9.0	9.0	ug/L				
1,1,2,2-Tetrachloroethane	< 9.0	9.0	ug/L				
1,3-Dichlorobenzene	< 9.0	9.0	ug/L				

1) MRL = Method reporting limit

2) MRL raised due to interference

Approved By:

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800


Joel Kiff

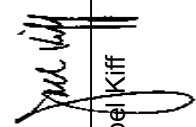
QC Report : Method Blank Data

Project Name : PACE IN/OUT

Project Number : 003027.00 TASK 5

Parameter	Measured Value	Method Reporting Limit	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50 ug/L	M EPA 8015	6/7/2005
TPH as Motor Oil	< 100	100 ug/L	M EPA 8015	6/7/2005
Octacosane (Diesel Surrogate)	102	%	M EPA 8015	6/7/2005
Benzene	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
Toluene	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
Ethylbenzene	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
Total Xylenes	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
Diisopropyl ether (DPE)	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
Tert-Butanol	< 5.0	5.0 ug/L	EPA 8260B	6/6/2005
TPH as Gasoline	< 50	50 ug/L	EPA 8260B	6/6/2005
Chloromethane	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
Vinyl Chloride	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
Bromomethane	< 20	20 ug/L	EPA 8260B	6/6/2005
Chloroethane	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
Trichlorofluoromethane	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
1,1-Dichloroethene	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
Methylene Chloride	< 5.0	5.0 ug/L	EPA 8260B	6/6/2005
trans-1,2-Dichloroethene	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
cis-1,2-Dichloroethene	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
Chloroform	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
1,1,1-Trichloroethane	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
1,2-Dichloroethane	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
Carbon Tetrachloride	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
Trichloroethene	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
1,2-Dichloropropane	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
Bromodichloromethane	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
cis-1,3-Dichloropropene	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
trans-1,3-Dichloropropene	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
1,1,2-Trichloroethene	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005

Parameter	Measured Value	Method Reporting Limit	Analysis Method	Date Analyzed
Tetrachloroethene	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
Dibromochloromethane	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
Chlorobenzene	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
Bromoform	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
1,1,2,2-Tetrachloroethane	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
1,3-Dichlorobenzene	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
1,4-Dichlorobenzene	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
1,2-Dichlorobenzene	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
1,2-Dibromoethane	< 0.50	0.50 ug/L	EPA 8260B	6/6/2005
Toluene - d8 (Surf)	97.6	%	EPA 8260B	6/6/2005
4-Bromofluorobenzene (Surf)	95.8	%	EPA 8260B	6/6/2005
Dibromofluoromethane (Surf)	108	%	EPA 8260B	6/6/2005
1,2-Dichloroethane-d4 (Surf)	100	%	EPA 8260B	6/6/2005
Benzene	< 0.50	0.50 ug/L	EPA 8260B	6/7/2005
Toluene	< 0.50	0.50 ug/L	EPA 8260B	6/7/2005
Ethylbenzene	< 0.50	0.50 ug/L	EPA 8260B	6/7/2005
Total Xylenes	< 0.50	0.50 ug/L	EPA 8260B	6/7/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50 ug/L	EPA 8260B	6/7/2005
Diisopropyl ether (DPE)	< 0.50	0.50 ug/L	EPA 8260B	6/7/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50 ug/L	EPA 8260B	6/7/2005
Tert-amy1 methyl ether (TAME)	< 0.50	0.50 ug/L	EPA 8260B	6/7/2005
Tert-Butanol	< 5.0	5.0 ug/L	EPA 8260B	6/7/2005
TPH as Gasoline	< 50	50 ug/L	EPA 8260B	6/7/2005
Chloromethane	< 0.50	0.50 ug/L	EPA 8260B	6/7/2005
Vinyl Chloride	< 0.50	0.50 ug/L	EPA 8260B	6/7/2005
Bromomethane	< 20	20 ug/L	EPA 8260B	6/7/2005
Chloroethane	< 0.50	0.50 ug/L	EPA 8260B	6/7/2005
Trichlorofluoromethane	< 0.50	0.50 ug/L	EPA 8260B	6/7/2005
1,1-Dichloroethene	< 0.50	0.50 ug/L	EPA 8260B	6/7/2005
Methylene Chloride	< 5.0	5.0 ug/L	EPA 8260B	6/7/2005
trans-1,2-Dichloroethene	< 0.50	0.50 ug/L	EPA 8260B	6/7/2005
cis-1,2-Dichloroethene	< 0.50	0.50 ug/L	EPA 8260B	6/7/2005
Chloroform	< 0.50	0.50 ug/L	EPA 8260B	6/7/2005
1,1,1-Trichloroethane	< 0.50	0.50 ug/L	EPA 8260B	6/7/2005
1,2-Dichloroethane	< 0.50	0.50 ug/L	EPA 8260B	6/7/2005
Carbon Tetrachloride	< 0.50	0.50 ug/L	EPA 8260B	6/7/2005
Trichloroethene	< 0.50	0.50 ug/L	EPA 8260B	6/7/2005
1,2-Dichloropropane	< 0.50	0.50 ug/L	EPA 8260B	6/7/2005
Bromodichloromethane	< 0.50	0.50 ug/L	EPA 8260B	6/7/2005
cis-1,3-Dichloropropene	< 0.50	0.50 ug/L	EPA 8260B	6/7/2005
trans-1,3-Dichloropropene	< 0.50	0.50 ug/L	EPA 8260B	6/7/2005
1,1,2-Trichloroethene	< 0.50	0.50 ug/L	EPA 8260B	6/7/2005



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Parameter	Measured Value	Method Reporting Limit	Analysis Method	Date Analyzed
Chloroform	< 0.50	0.50	ug/L	EPA 8260B 6/7/2005
1,1,1-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B 6/7/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B 6/7/2005
Carbon Tetrachloride	< 0.50	0.50	ug/L	EPA 8260B 6/7/2005
Trichloroethene	< 0.50	0.50	ug/L	EPA 8260B 6/7/2005
1,2-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B 6/7/2005
Bromodichloromethane	< 0.50	0.50	ug/L	EPA 8260B 6/7/2005
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B 6/7/2005
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B 6/7/2005
1,1,2-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B 6/7/2005
Tetrachloroethene	< 0.50	0.50	ug/L	EPA 8260B 6/7/2005
Dibromochloromethane	< 0.50	0.50	ug/L	EPA 8260B 6/7/2005
Chlorobenzene	< 0.50	0.50	ug/L	EPA 8260B 6/7/2005
Bromoform	< 0.50	0.50	ug/L	EPA 8260B 6/7/2005
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L	EPA 8260B 6/7/2005
1,3-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B 6/7/2005
1,4-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B 6/7/2005
1,2-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B 6/7/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B 6/7/2005
Toluene - d8 (Surr)	96.6	%	EPA 8260B	6/7/2005
4-Bromofluorobenzene (Surr)	97.1	%	EPA 8260B	6/7/2005
Dibromofluoromethane (Surr)	106	%	EPA 8260B	6/7/2005
1,2-Dichloroethane-d4 (Surr)	102	%	EPA 8260B	6/7/2005

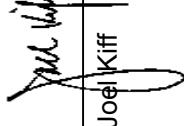
Parameter	Measured Value	Method Reporting Limit	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
Diisopropyl ether (Dipe)	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
Tert-amy methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B 6/8/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B 6/8/2005
Chloromethane	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
Vinyl Chloride	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
Bromomethane	< 20	20	ug/L	EPA 8260B 6/8/2005
Chloroethane	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
Trichlorofluoromethane	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
1,1-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
Methylene Chloride	< 5.0	5.0	ug/L	EPA 8260B 6/8/2005
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
1,1-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
Chloroform	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
1,1,1-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
Carbon Tetrachloride	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
Trichloroethene	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
1,2-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
Bromodichloromethane	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
1,1,2-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
Tetrachloroethene	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
Dibromochloromethane	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
Chlorobenzene	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
Bromform	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L	EPA 8260B 6/8/2005

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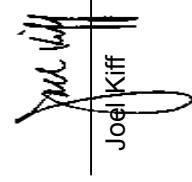


QC Report : Method Blank Data

Project Name : PACE IN/OUT

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Parameter	Measured Value	Method Reporting Limit	Analysis Method	Date Analyzed	Parameter	Measured Value	Method Reporting Limit	Analysis Method	Date Analyzed		
1,3-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	6/8/2005	1,2-Dichloropropane	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005
1,4-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	6/8/2005	Bromodichloromethane	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005
1,2-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	6/8/2005	cis-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	6/8/2005	trans-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005
Toluene - d8 (Surr)	98.4	%	EPA 8260B	6/8/2005	1,1,2-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005	
4-Bromofluorobenzene (Surr)	96.7	%	EPA 8260B	6/8/2005	Tetrachloroethene	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005	
Dibromofluoromethane (Surr)	104	%	EPA 8260B	6/8/2005	Dibromochloromethane	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005	
1,2-Dichloroethane-d4 (Surr)	104	%	EPA 8260B	6/8/2005	Chlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005	
Benzene	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005	Bromoform	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005	1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005	1,3-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005	1,4-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005	1,2-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005
Diisopropyl ether (DPE)	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005	1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005	Toluene - d8 (Surr)	102	%	EPA 8260B	6/7/2005	
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005	4-Bromofluorobenzene (Surr)	96.0	%	EPA 8260B	6/7/2005	
Ter-Butanol	< 5.0	5.0	ug/L	EPA 8260B	6/7/2005	Dibromofluoromethane (Surr)	101	%	EPA 8260B	6/7/2005	
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/7/2005	1,2-Dichloroethane-d4 (Surr)	100	%	EPA 8260B	6/7/2005	
Chloromethane	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005	Benzene	< 0.50	0.50	ug/L	EPA 8260B	6/9/2005
Vinyl Chloride	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005	Toluene	< 0.50	0.50	ug/L	EPA 8260B	6/9/2005
Bromomethane	< 20	20	ug/L	EPA 8260B	6/7/2005	Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	6/9/2005
Chloroethane	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005	Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	6/9/2005
Trichlorofluoromethane	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005	Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	6/9/2005
1,1-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005	Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	6/9/2005
Methylene Chloride	< 5.0	5.0	ug/L	EPA 8260B	6/7/2005	Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	6/9/2005
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005	Tert-amyL methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	6/9/2005
1,1-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005	Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	6/9/2005
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005	TPH as Gasoline	< 50	50	ug/L	EPA 8260B	6/9/2005
Chloroform	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005	Chloromethane	< 0.50	0.50	ug/L	EPA 8260B	6/9/2005
1,1,1-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005	Vinyl Chloride	< 0.50	0.50	ug/L	EPA 8260B	6/9/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005	Bromomethane	< 20	20	ug/L	EPA 8260B	6/9/2005
Carbon Tetrachloride	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005	Chloroethane	< 0.50	0.50	ug/L	EPA 8260B	6/9/2005
Trichloroethene	< 0.50	0.50	ug/L	EPA 8260B	6/7/2005	Trichlorofluoromethane	< 0.50	0.50	ug/L	EPA 8260B	6/9/2005


 Approved By: Joe Kiff

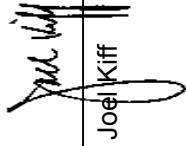
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Project Name : PACE IN/OUT
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Parameter	Measured Value	Method Reporting Limit	Analysis Units	Date Analyzed
1,1-Dichloroethene	< 0.50	0.50	ug/L	6/9/2005
Methylene Chloride	< 5.0	5.0	ug/L	6/9/2005
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L	6/9/2005
1,1-Dichloroethane	< 0.50	0.50	ug/L	6/9/2005
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L	6/9/2005
Chloroform	< 0.50	0.50	ug/L	6/9/2005
1,1,1-Trichloroethane	< 0.50	0.50	ug/L	6/9/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	6/9/2005
Carbon Tetrachloride	< 0.50	0.50	ug/L	6/9/2005
Trichloroethene	< 0.50	0.50	ug/L	6/9/2005
1,2-Dichloropropane	< 0.50	0.50	ug/L	6/9/2005
Bromodichloromethane	< 0.50	0.50	ug/L	6/9/2005
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L	6/9/2005
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L	6/9/2005
1,1,2-Trichloroethane	< 0.50	0.50	ug/L	6/9/2005
Tetrachloroethene	< 0.50	0.50	ug/L	6/9/2005
Dibromochloromethane	< 0.50	0.50	ug/L	6/9/2005
Chlorobenzene	< 0.50	0.50	ug/L	6/9/2005
Bromoform	< 0.50	0.50	ug/L	6/9/2005
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L	6/9/2005
1,3-Dichlorobenzene	< 0.50	0.50	ug/L	6/9/2005
1,4-Dichlorobenzene	< 0.50	0.50	ug/L	6/9/2005
1,2-Dichlorobenzene	< 0.50	0.50	ug/L	6/9/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	6/9/2005
Toluene - d8 (Sur)	103	%	EPA 8260B	6/9/2005
4-Bromofluorobenzene (Sur)	92.8	%	EPA 8260B	6/9/2005
Dibromofluoromethane (Sur)	100	%	EPA 8260B	6/9/2005
1,2-Dichloroethane-d4 (Sur)	103	%	EPA 8260B	6/9/2005

Parameter	Measured Value	Method Reporting Limit	Analysis Units	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
Tert-amy methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B 6/10/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B 6/10/2005
Chloromethane	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
Vinyl Chloride	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
Bromomethane	< 20	20	ug/L	EPA 8260B 6/10/2005
Chloroethane	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
Trichlorofluoromethane	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
1,1-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
Methylene Chloride	< 5.0	5.0	ug/L	EPA 8260B 6/10/2005
trans-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
1,1-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
cis-1,2-Dichloroethene	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
Chloroform	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
1,1,1-Trichloroethane	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
Carbon Tetrachloride	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
Trichloroethene	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
1,1,1,2-Tetrachloroethene	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
Bromodichloromethane	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
cis-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
trans-1,3-Dichloropropene	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
1,1,2,2-Tetrachloroethane	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
1,2-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
1,4-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
1,2-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B 6/10/2005
Toluene - d8 (Sur)	103	%	EPA 8260B	6/9/2005
4-Bromofluorobenzene (Sur)	92.8	%	EPA 8260B	6/9/2005
Dibromofluoromethane (Sur)	100	%	EPA 8260B	6/9/2005
1,2-Dichloroethane-d4 (Sur)	103	%	EPA 8260B	6/9/2005



Joe Kiff

KIFF ANALYTICAL, LLC

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Report Number : 44121

Date : 6/14/2005

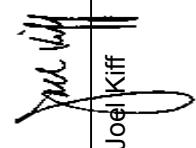
QC Report : Method Blank Data

Project Name : PACE IN/OUT

Project Number : 003027.00 TASK 5

Parameter	Measured Value	Method Limit	Reporting Units	Analysis Method	Date Analyzed
1,3-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	6/10/2005
1,4-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	6/10/2005
1,2-Dichlorobenzene	< 0.50	0.50	ug/L	EPA 8260B	6/10/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	6/10/2005
Toluene - d8 (Sur)	102	%	EPA 8260B	6/10/2005	
4-Bromofluorobenzene (Sur)	91.7	%	EPA 8260B	6/10/2005	
Dibromofluoromethane (Sur)	100	%	EPA 8260B	6/10/2005	
1,2-Dichlorethane-d4 (Sur)	102	%	EPA 8260B	6/10/2005	

Parameter	Measured Value	Method Limit	Reporting Units	Analysis Method	Date Analyzed
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Approved By: Joe Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

QC Report : Matrix Spike/ Matrix Spike Duplicate

Report Number : 44121

Date : 6/14/2005

PACE IN/OUT**Project Number : 003027.00 TASK 5**

Parameter	Spiked Sample	Sample Value	Spike Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Spiked Sample Percent Recov.	Relative Percent Diff.	Relative Percent Diff.	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Spiked Sample Percent Recov.	Relative Percent Diff.
TPH as Diesel	Blank	<50	1000	1000	962	1020	ug/L	M EPA 8015	6/7/05	96.2	102	5.50	70-130	25			
Benzene	44125-05	<0.50	39.4	39.3	38.7	38.6	ug/L	EPA 8260B	6/6/05	98.2	98.2	0.0675	70-130	25			
Toluene	44125-05	<0.50	39.4	39.3	38.3	37.4	ug/L	EPA 8260B	6/6/05	97.0	95.1	2.00	70-130	25			
Tert-Butanol	44125-05	<5.0	197	196	187	193	ug/L	EPA 8260B	6/6/05	94.6	98.2	3.73	70-130	25			
Methyl-t-Butyl Ether	44125-05	<0.50	39.4	39.3	36.7	34.4	ug/L	EPA 8260B	6/6/05	93.1	87.6	6.12	70-130	25			
Benzene	44125-01	0.77	39.6	39.7	39.7	39.8	ug/L	EPA 8260B	6/7/05	98.2	98.4	0.203	70-130	25			
Toluene	44125-01	<0.50	39.6	39.7	37.7	38.2	ug/L	EPA 8260B	6/7/05	95.2	96.3	1.19	70-130	25			
Tert-Butanol	44125-01	<5.0	198	198	200	189	ug/L	EPA 8260B	6/7/05	101	95.2	6.17	70-130	25			
Methyl-t-Butyl Ether	44125-01	1.8	39.6	39.7	37.6	39.2	ug/L	EPA 8260B	6/7/05	90.4	94.1	4.00	70-130	25			
Benzene	44100-12	<0.50	39.9	39.6	39.1	39.1	ug/L	EPA 8260B	6/8/05	97.9	98.7	0.845	70-130	25			
Toluene	44100-12	<0.50	39.9	39.6	38.4	37.8	ug/L	EPA 8260B	6/8/05	96.2	95.4	0.842	70-130	25			
Tert-Butanol	44100-12	<5.0	200	198	185	194	ug/L	EPA 8260B	6/8/05	92.7	98.0	5.52	70-130	25			
Methyl-t-Butyl Ether	44100-12	<0.50	39.9	39.6	36.7	38.4	ug/L	EPA 8260B	6/8/05	91.9	97.0	5.40	70-130	25			
Benzene	44137-01	<0.50	40.0	40.0	41.7	40.2	ug/L	EPA 8260B	6/7/05	104	100	3.77	70-130	25			
Toluene	44137-01	<0.50	40.0	40.0	42.0	40.0	ug/L	EPA 8260B	6/7/05	105	100	4.79	70-130	25			
Tert-Butanol	44137-01	5.0	200	200	204	202	ug/L	EPA 8260B	6/7/05	99.8	98.7	1.05	70-130	25			
Methyl-t-Butyl Ether	44137-01	<0.50	40.0	40.0	39.2	37.9	ug/L	EPA 8260B	6/7/05	98.0	94.7	3.35	70-130	25			

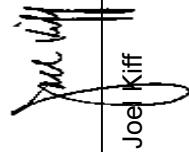
Approved By: Joe Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

QC Report : Matrix Spike/ Matrix Spike DuplicateProject Name : **PACE IN/OUT**Project Number : **003027.00 TASK 5**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Relative Percent Diff.
Benzene	44215-03	<0.50	40.0	40.0	39.3	38.8	ug/L	EPA 8260B	6/9/05	98.2	97.0	1.22	70-130	25	
Toluene	44215-03	<0.50	40.0	40.0	40.3	39.7	ug/L	EPA 8260B	6/9/05	101	99.2	1.68	70-130	25	
Tert-Butanol	44215-03	<5.0	200	200	186	186	ug/L	EPA 8260B	6/9/05	92.8	93.3	0.513	70-130	25	
Methyl-t-Butyl Ether	44215-03	<0.50	40.0	40.0	36.8	36.7	ug/L	EPA 8260B	6/9/05	92.1	91.7	0.428	70-130	25	
Benzene	44231-01	<0.50	40.0	40.0	42.1	41.8	ug/L	EPA 8260B	6/10/05	105	104	0.734	70-130	25	
Toluene	44231-01	<0.50	40.0	40.0	42.8	43.1	ug/L	EPA 8260B	6/10/05	107	108	0.624	70-130	25	
Tert-Butanol	44231-01	<5.0	200	200	202	200	ug/L	EPA 8260B	6/10/05	101	100	0.781	70-130	25	
Methyl-t-Butyl Ether	44231-01	<0.50	40.0	40.0	39.4	39.7	ug/L	EPA 8260B	6/10/05	98.5	99.3	0.841	70-130	25	



Approved By: Joe Kiff

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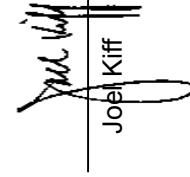
QC Report : Laboratory Control Sample (LCS)Project Name : **PACE IN/OUT**Project Number : **003027.00 TASK 5**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	6/6/05	97.4	70-130
Toluene	40.0	ug/L	EPA 8260B	6/6/05	96.4	70-130
Tert-Butanol	200	ug/L	EPA 8260B	6/6/05	95.6	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	6/6/05	89.4	70-130
Benzene	40.0	ug/L	EPA 8260B	6/7/05	97.9	70-130
Toluene	40.0	ug/L	EPA 8260B	6/7/05	95.3	70-130
Tert-Butanol	200	ug/L	EPA 8260B	6/7/05	90.9	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	6/7/05	95.7	70-130
Benzene	40.0	ug/L	EPA 8260B	6/8/05	96.6	70-130
Toluene	40.0	ug/L	EPA 8260B	6/8/05	97.1	70-130
Tert-Butanol	200	ug/L	EPA 8260B	6/8/05	96.5	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	6/8/05	93.3	70-130
Benzene	40.0	ug/L	EPA 8260B	6/7/05	98.6	70-130
Toluene	40.0	ug/L	EPA 8260B	6/7/05	101	70-130
Tert-Butanol	200	ug/L	EPA 8260B	6/7/05	95.1	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	6/7/05	93.1	70-130
Benzene	40.0	ug/L	EPA 8260B	6/9/05	98.6	70-130

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By:

Joel Kiff

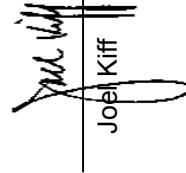
QC Report : Laboratory Control Sample (LCS)Project Name : **PACE IN/OUT**Project Number : **003027.00 TASK 5**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov.
Toluene	40.0	ug/L	EPA 8260B	6/9/05	104	70-130
Tert-Butanol	200	ug/L	EPA 8260B	6/9/05	94.2	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	6/9/05	91.0	70-130
Benzene	40.0	ug/L	EPA 8260B	6/10/05	101	70-130
Toluene	40.0	ug/L	EPA 8260B	6/10/05	106	70-130
Tert-Butanol	200	ug/L	EPA 8260B	6/10/05	98.1	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	6/10/05	88.4	70-130

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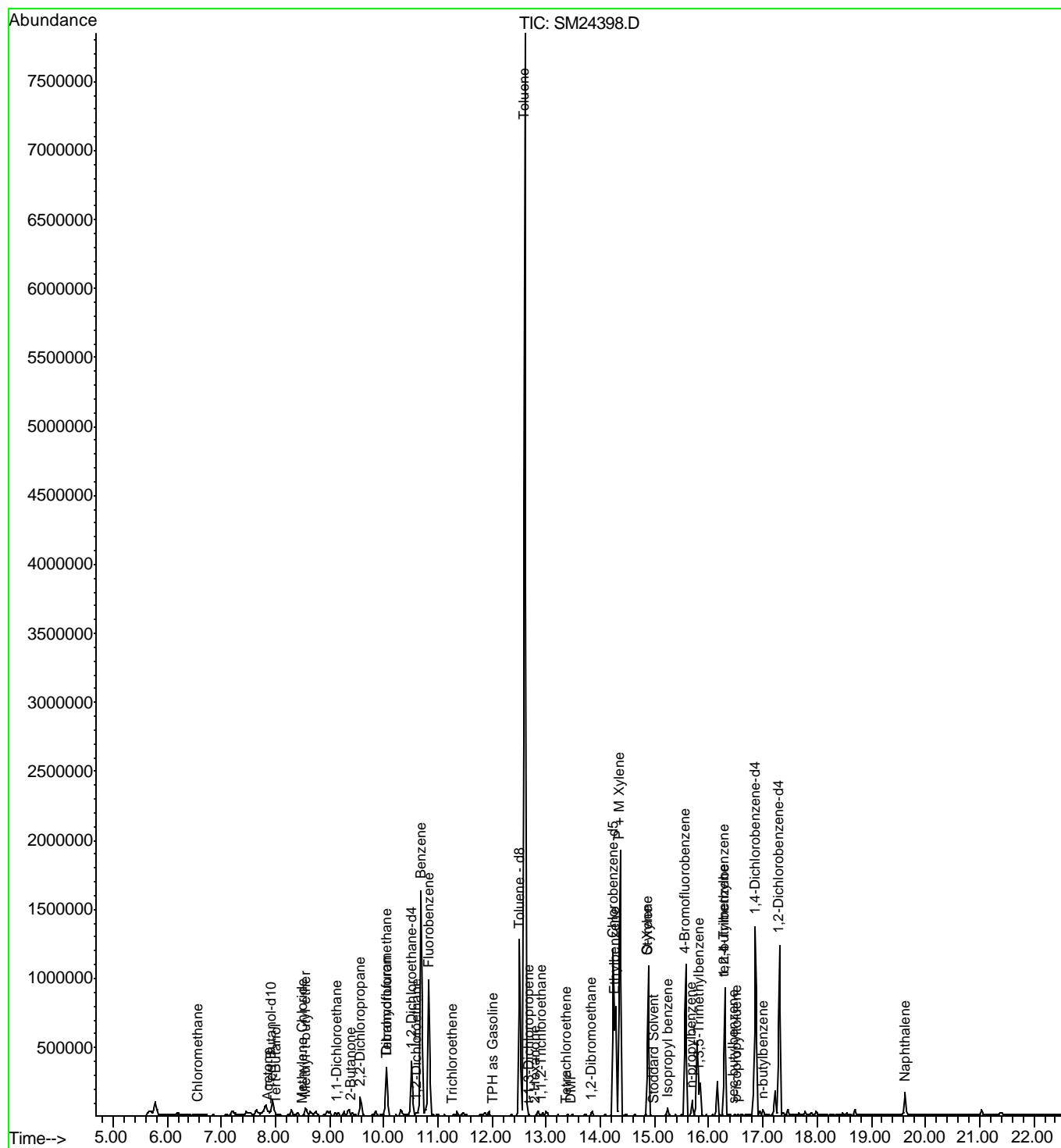
Approved By:

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

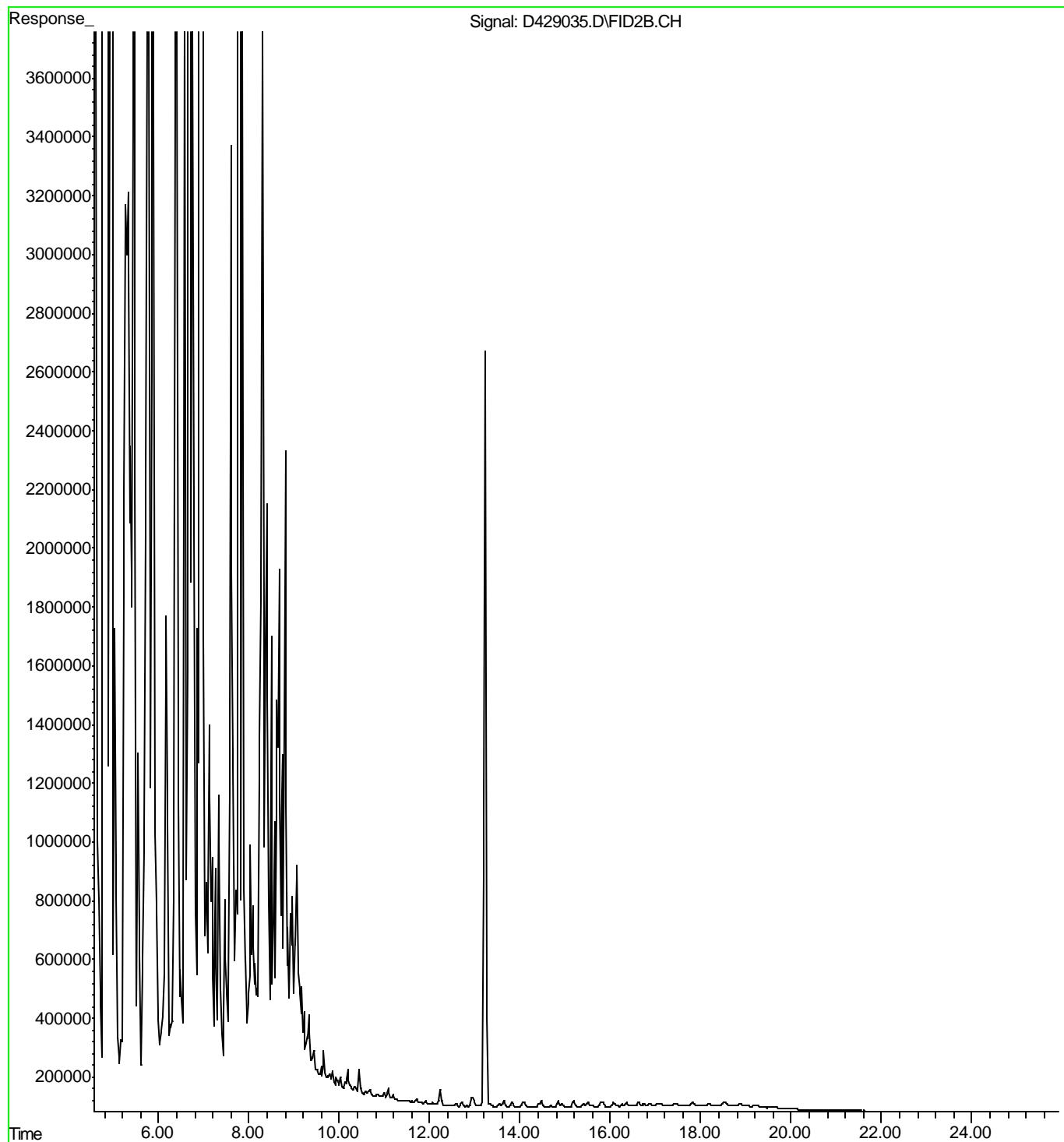


Joel Kiff

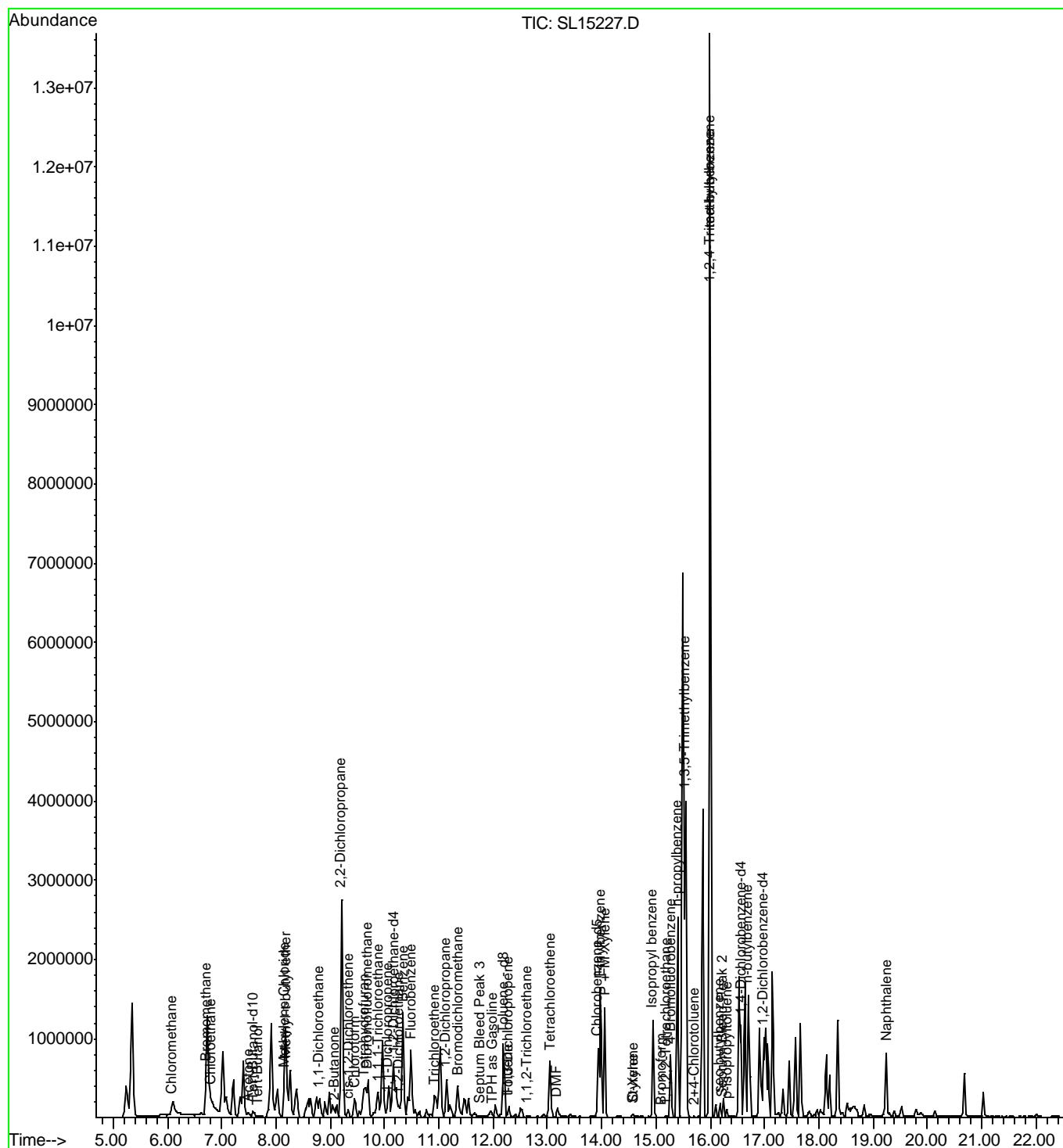
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Operator : KRD
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Instrument : Instrumen
Sample Name: 44121-01 0.09000 1000556705
Misc Info :
Vial Number: 13



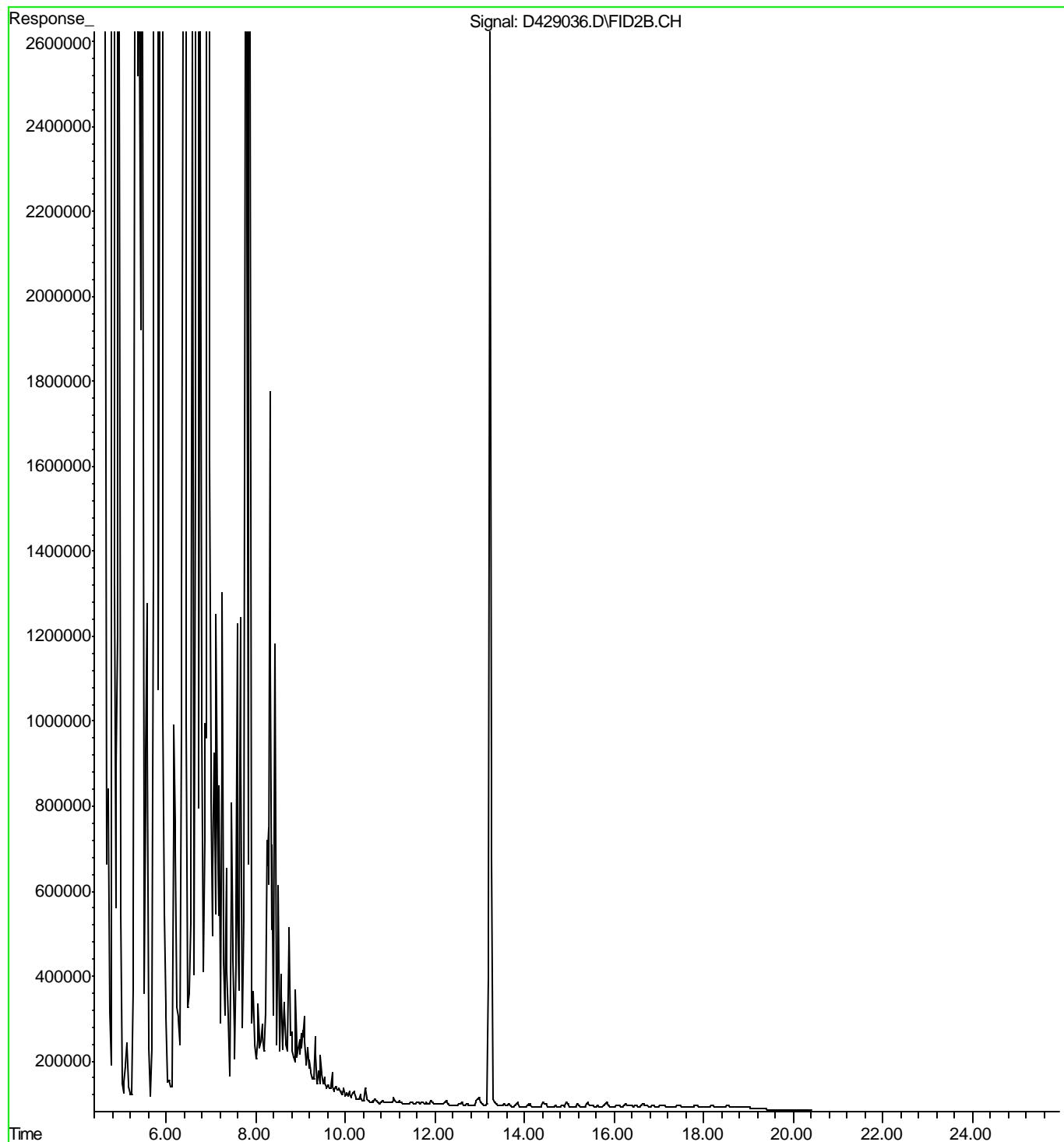
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Instrument : Diesel #2
Sample Name: 44121-01
Misc Info :
Vial Number: 78



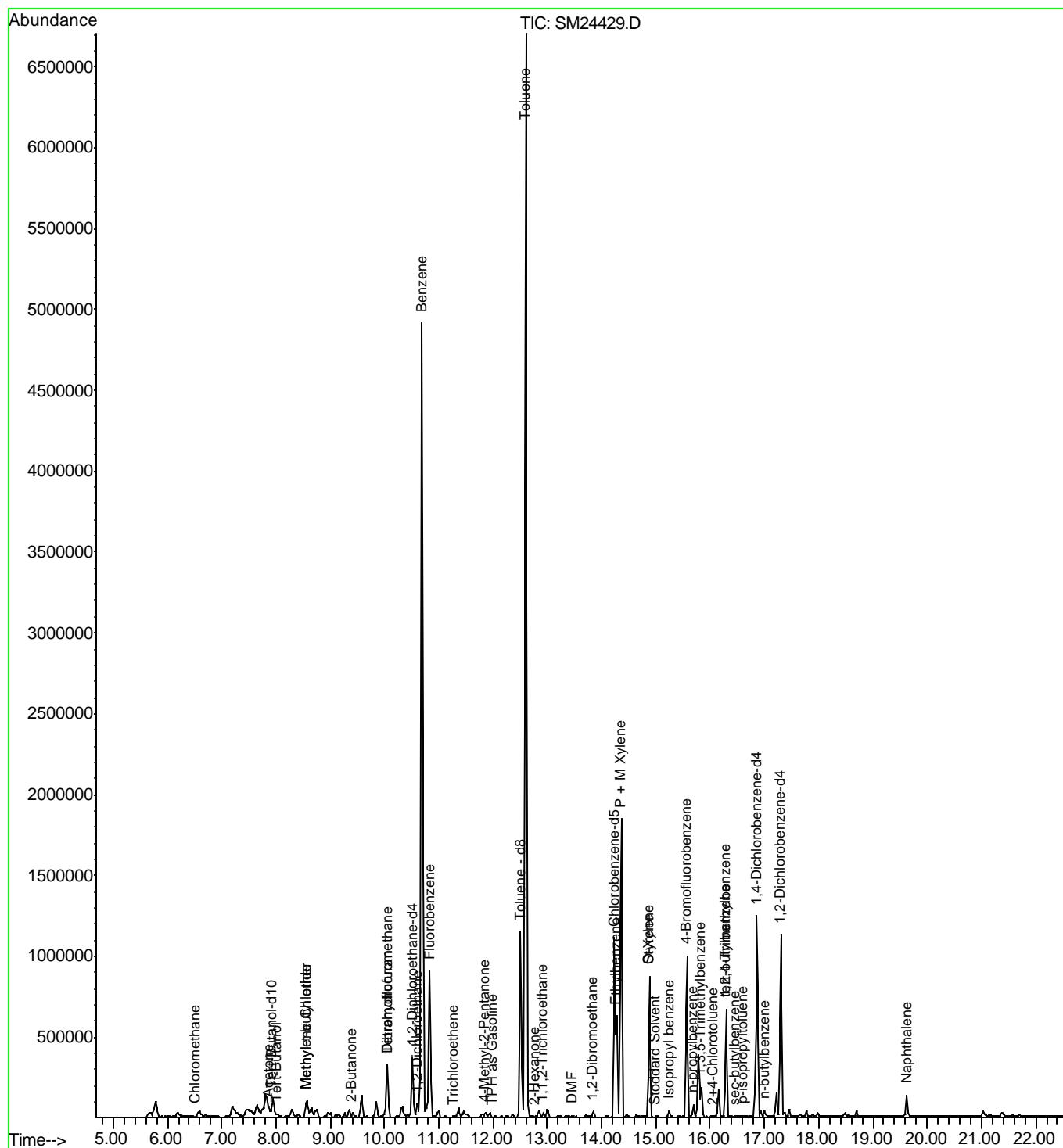
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Instrument : GCMS12
Sample Name: 44121-02 2.27000 1000555767
Misc Info :
Vial Number: 10



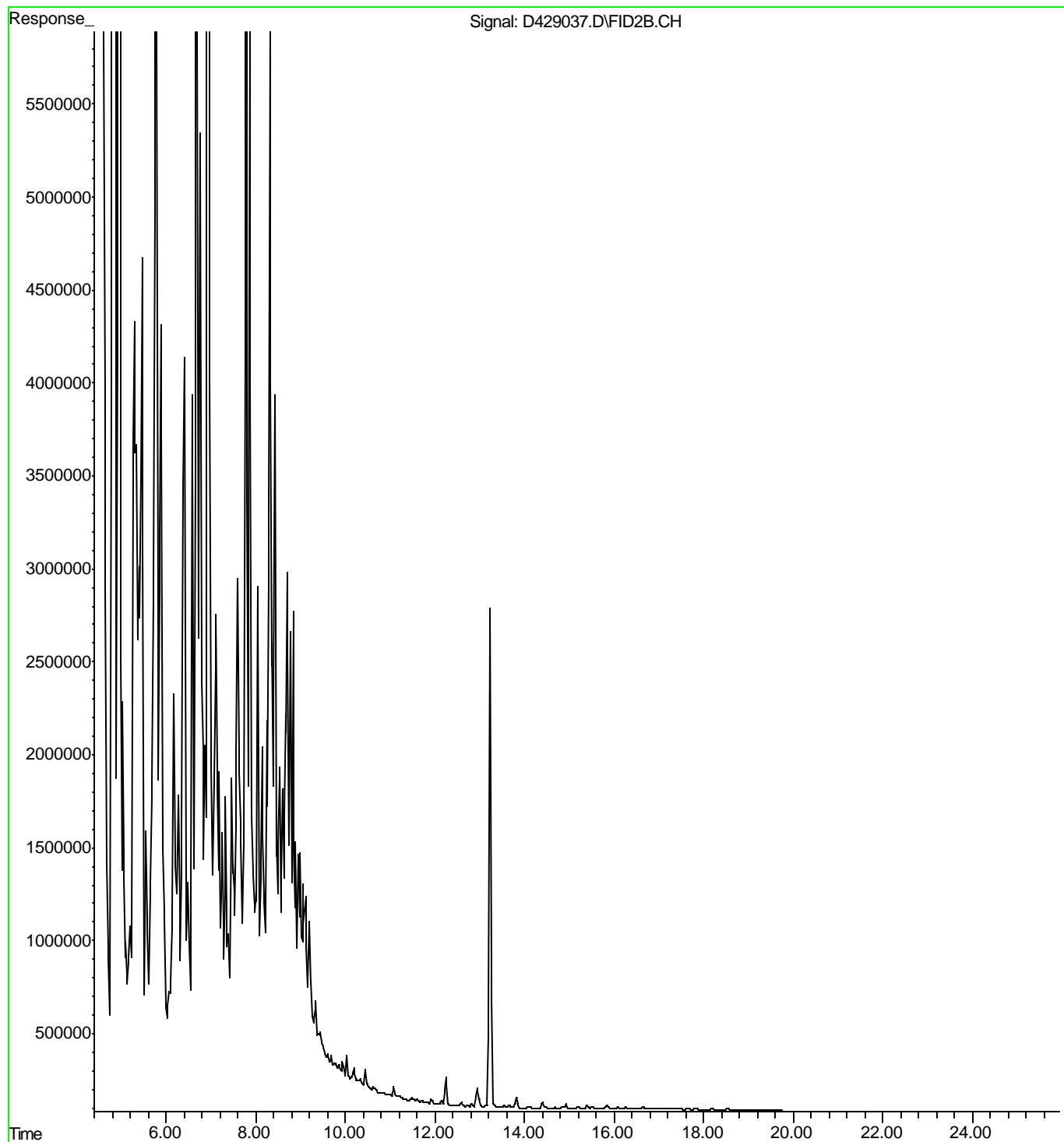
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Instrument : Diesel #2
Sample Name: 44121-02
Misc Info :
Vial Number: 79



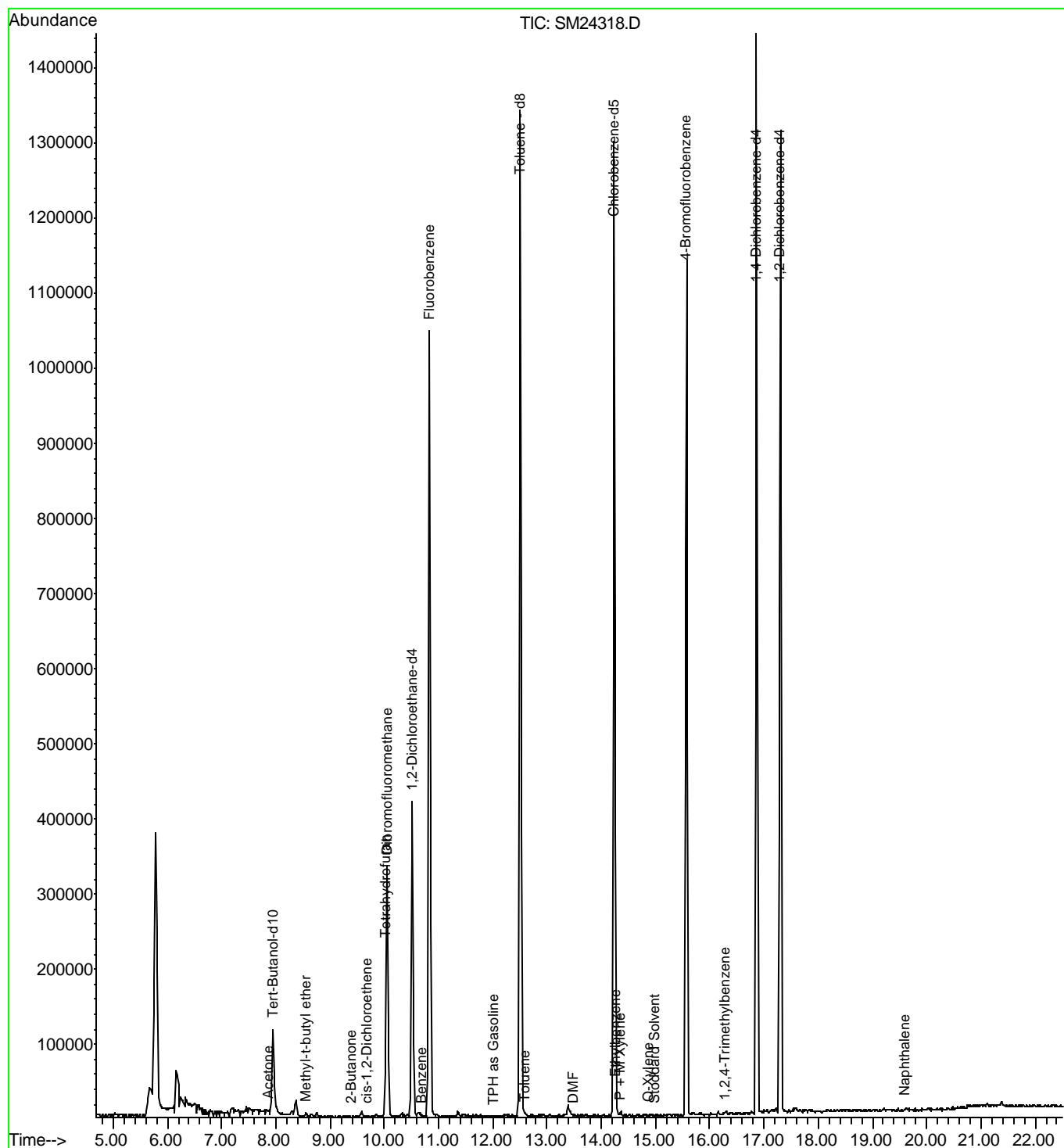
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Instrument : Instrumen
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Vial Number: 14



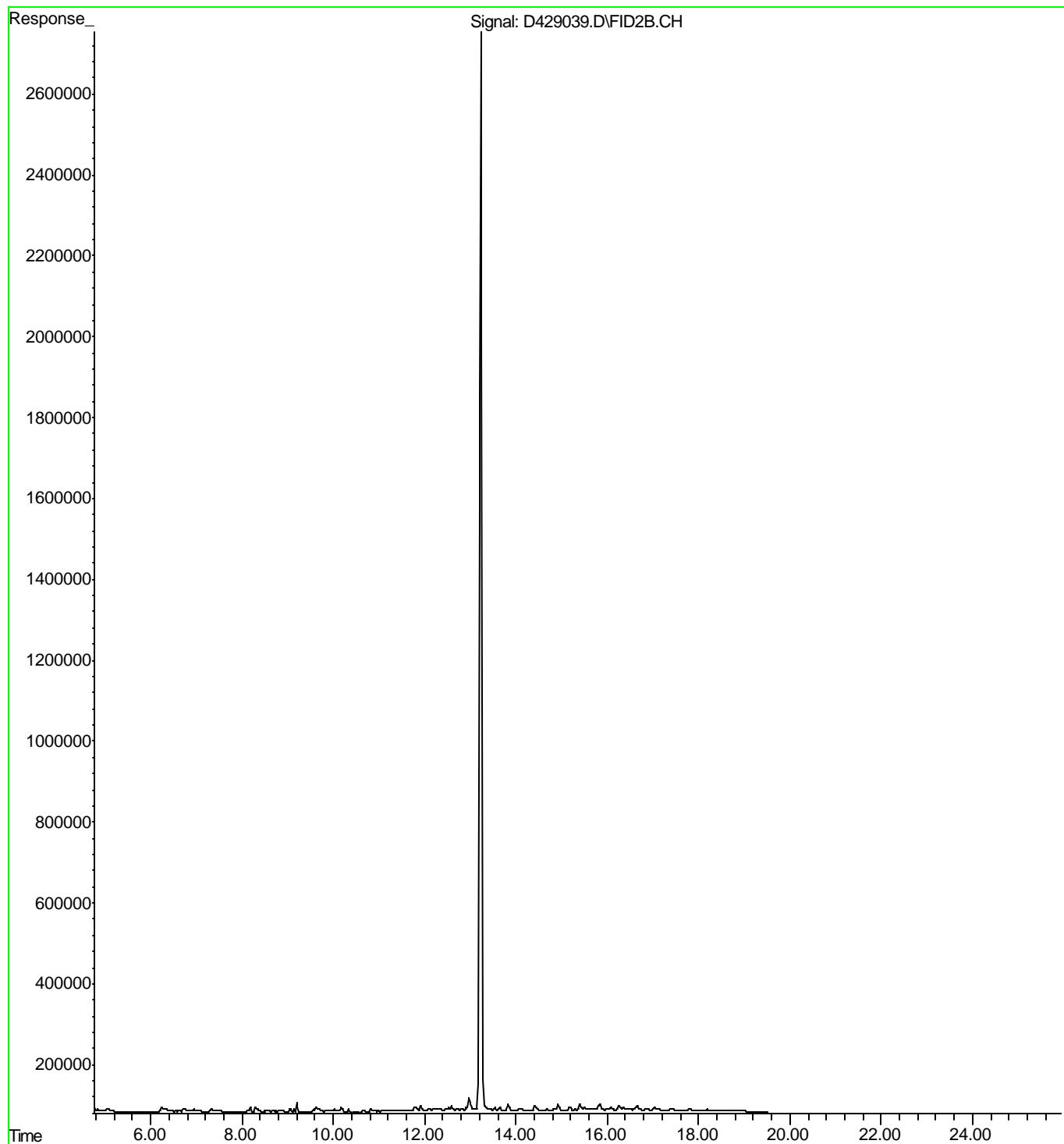
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Instrument : Diesel #2
Sample Name: 44121-03
Misc Info :
Vial Number: 80



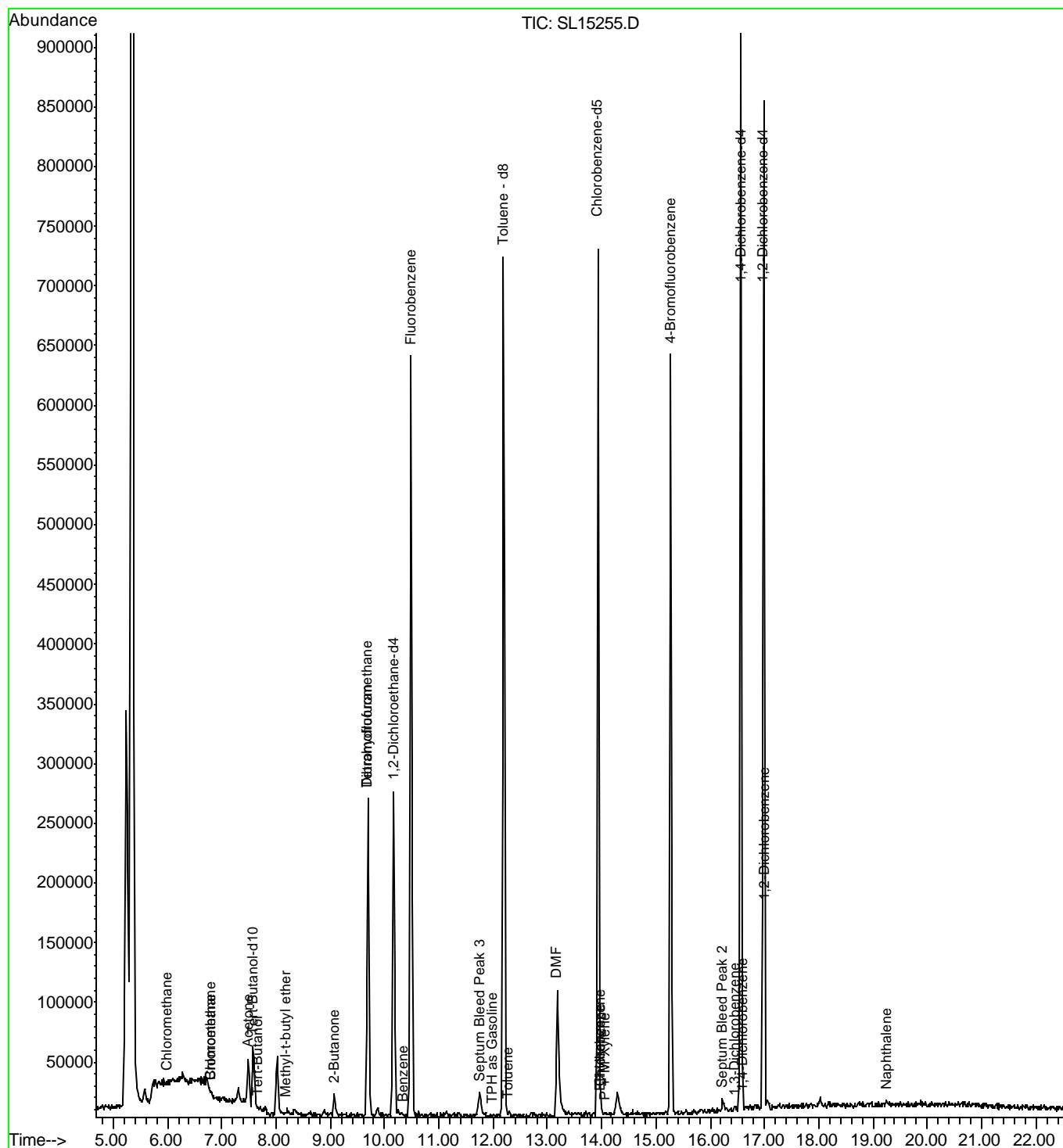
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Instrument : Instrumen
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Misc Info :
Vial Number: 11



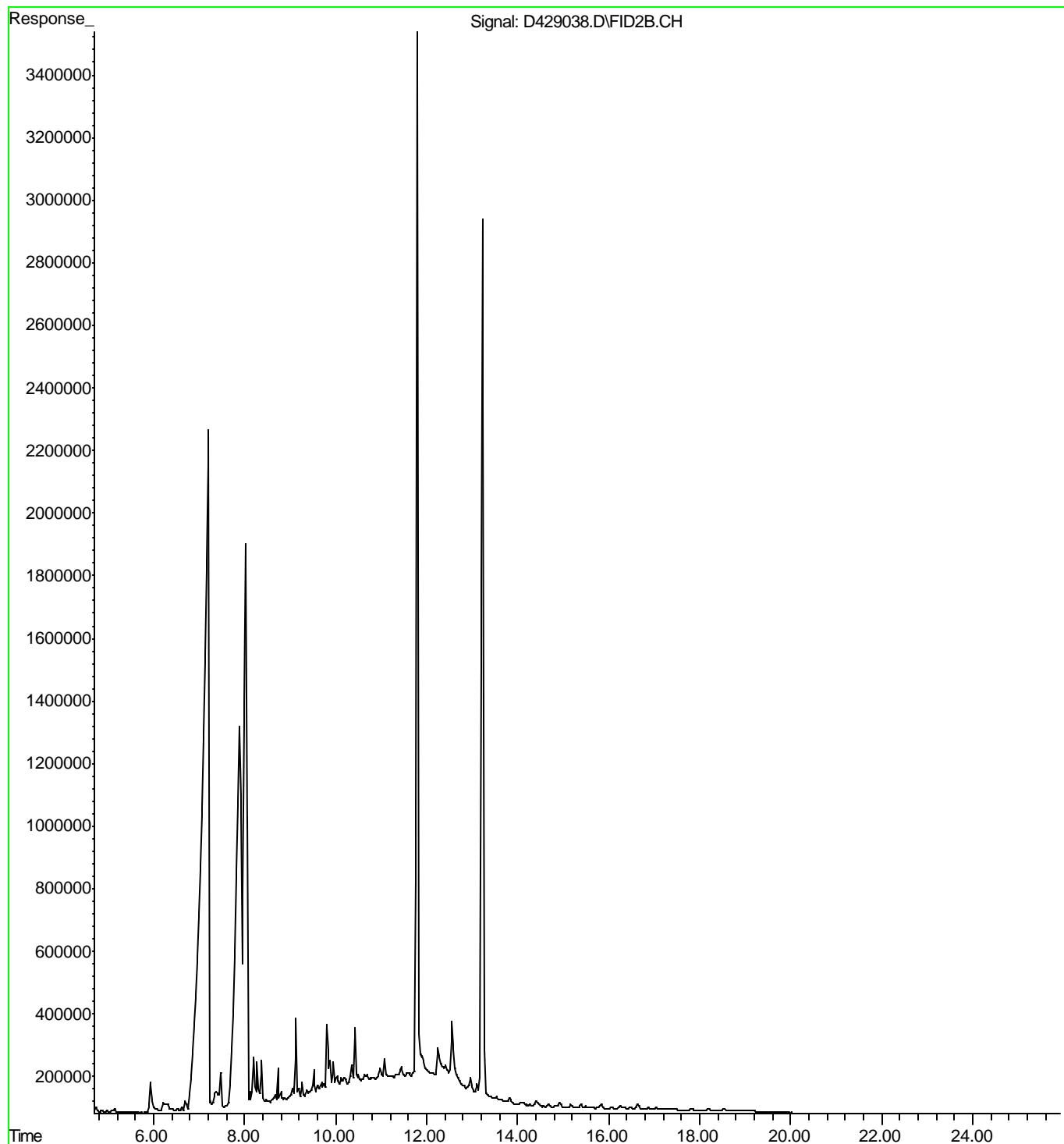
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Instrument : Diesel #2
Sample Name: 44121-04
Misc Info :
Vial Number: 82



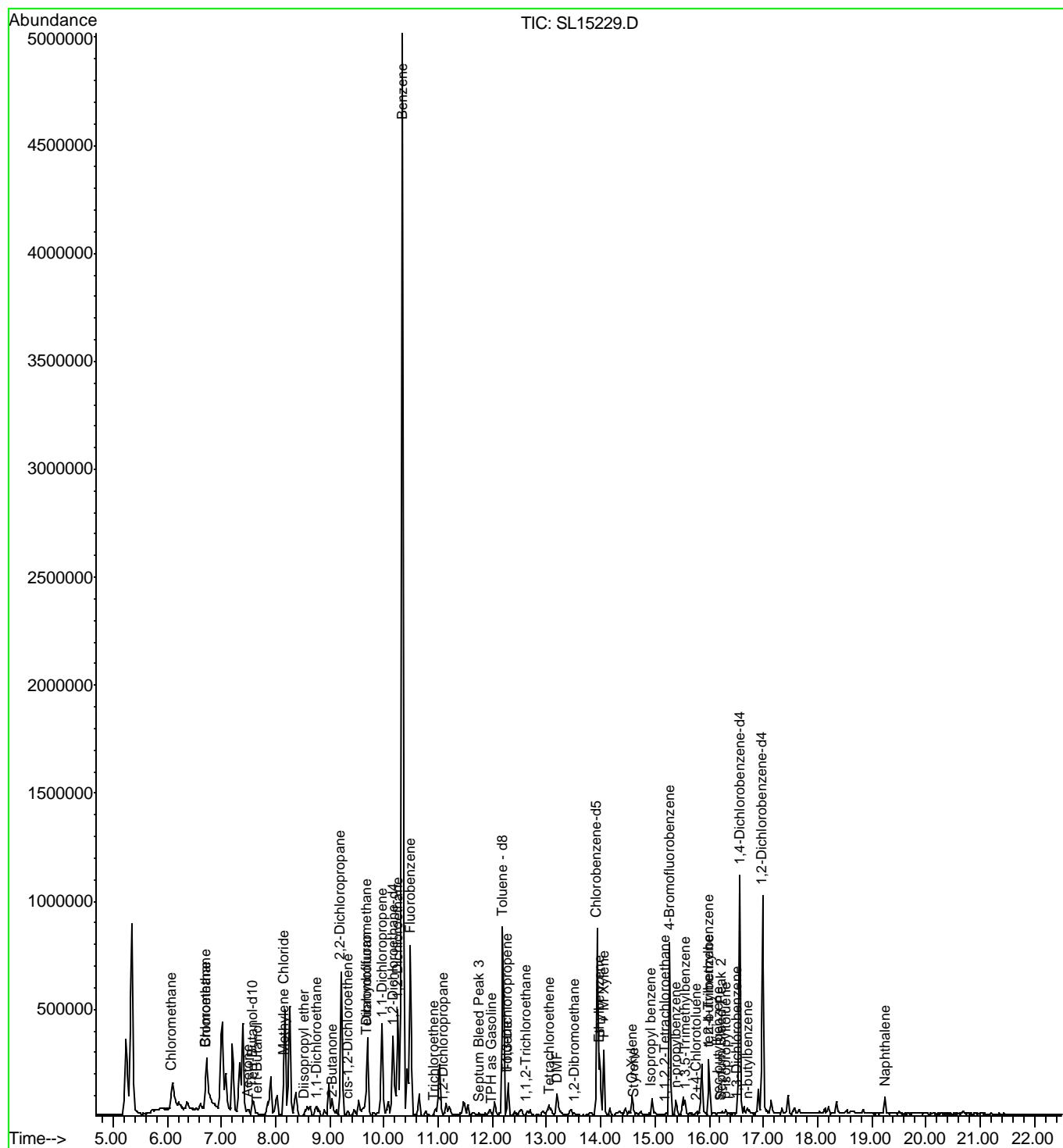
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Operator : SAF
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Misc Info :
Vial Number: 18



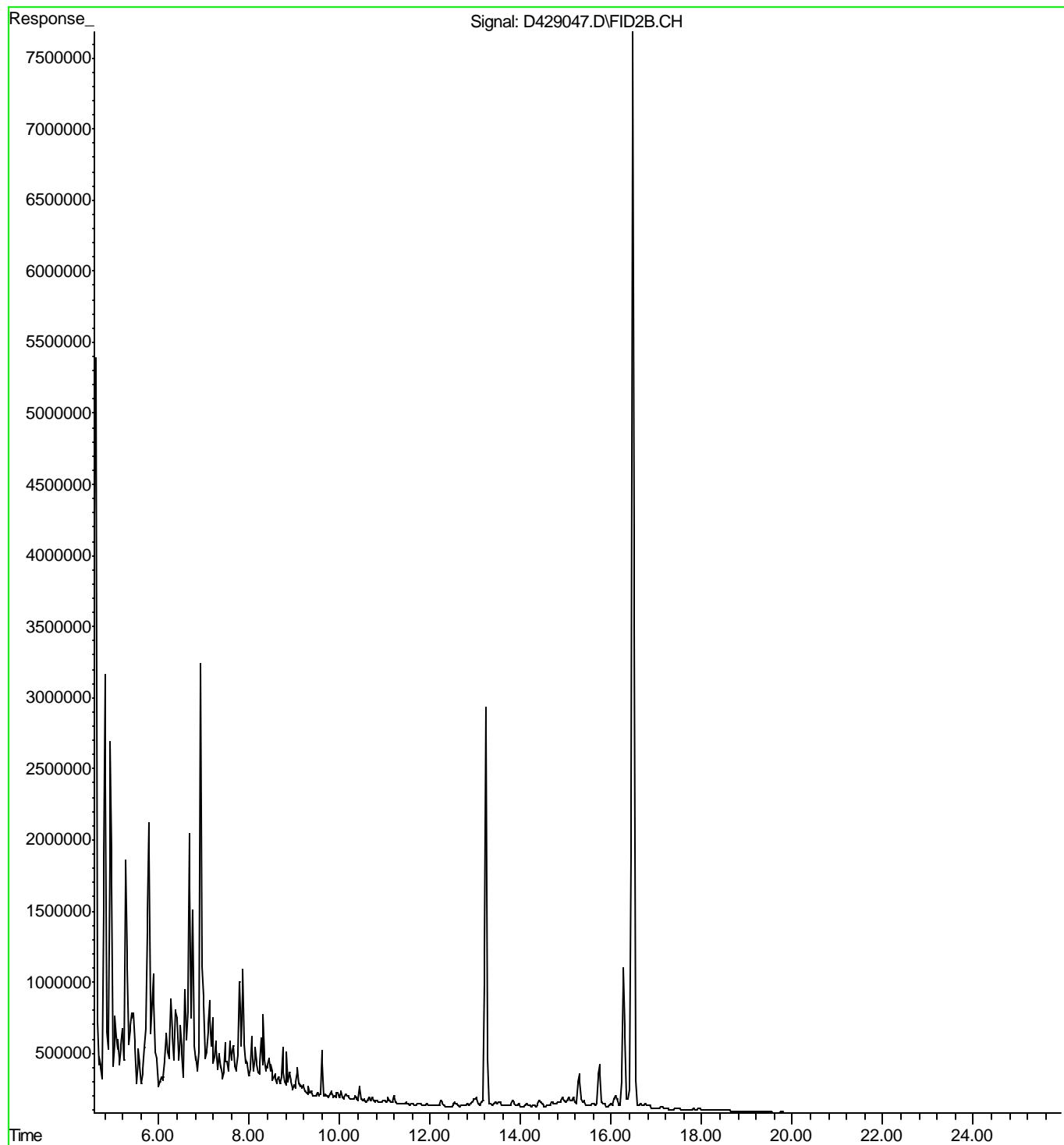
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Instrument : Diesel #2
Sample Name: 44121-05
Misc Info :
Vial Number: 81



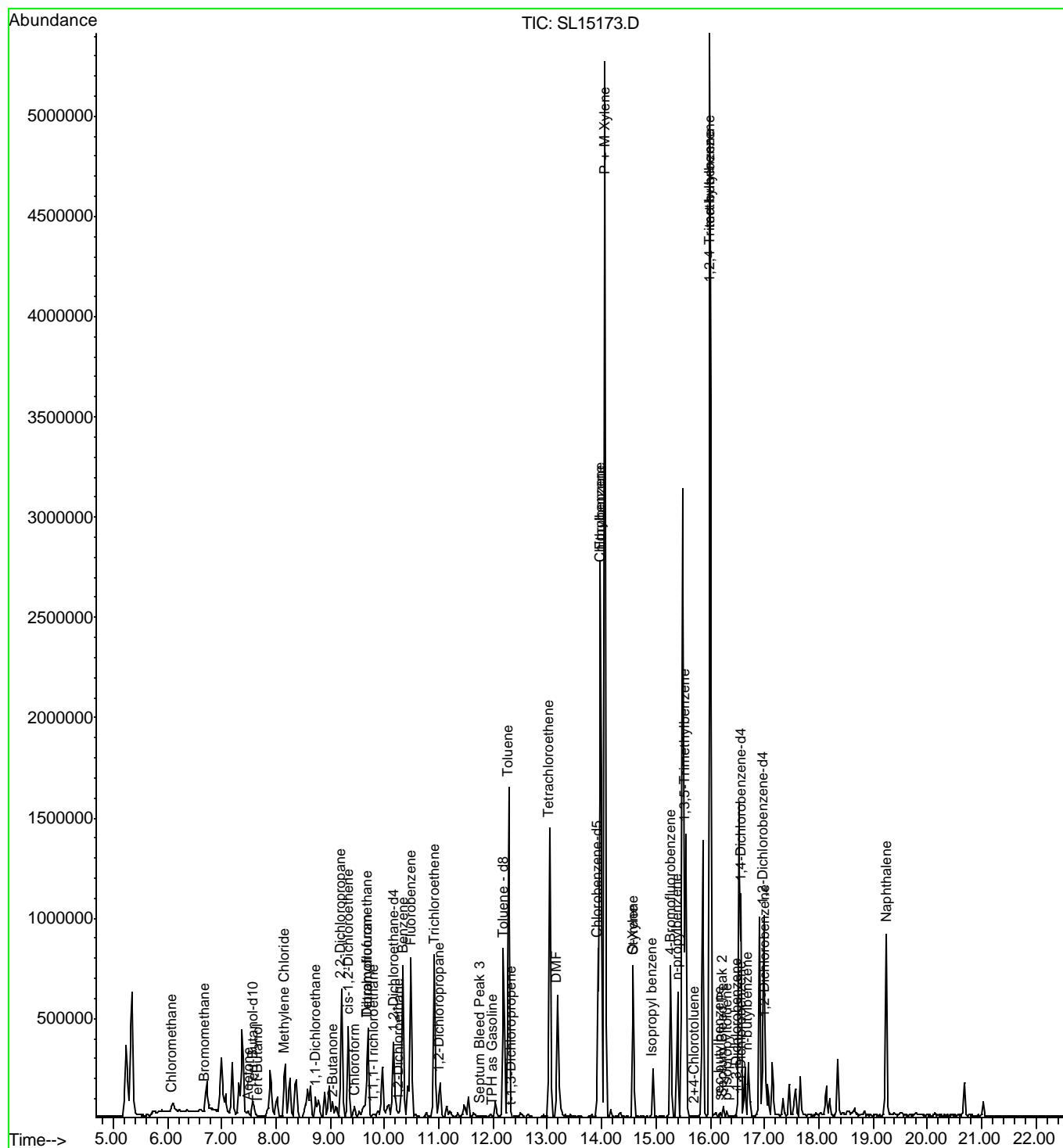
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Instrument : GCMS12
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Misc Info :
Vial Number: 12



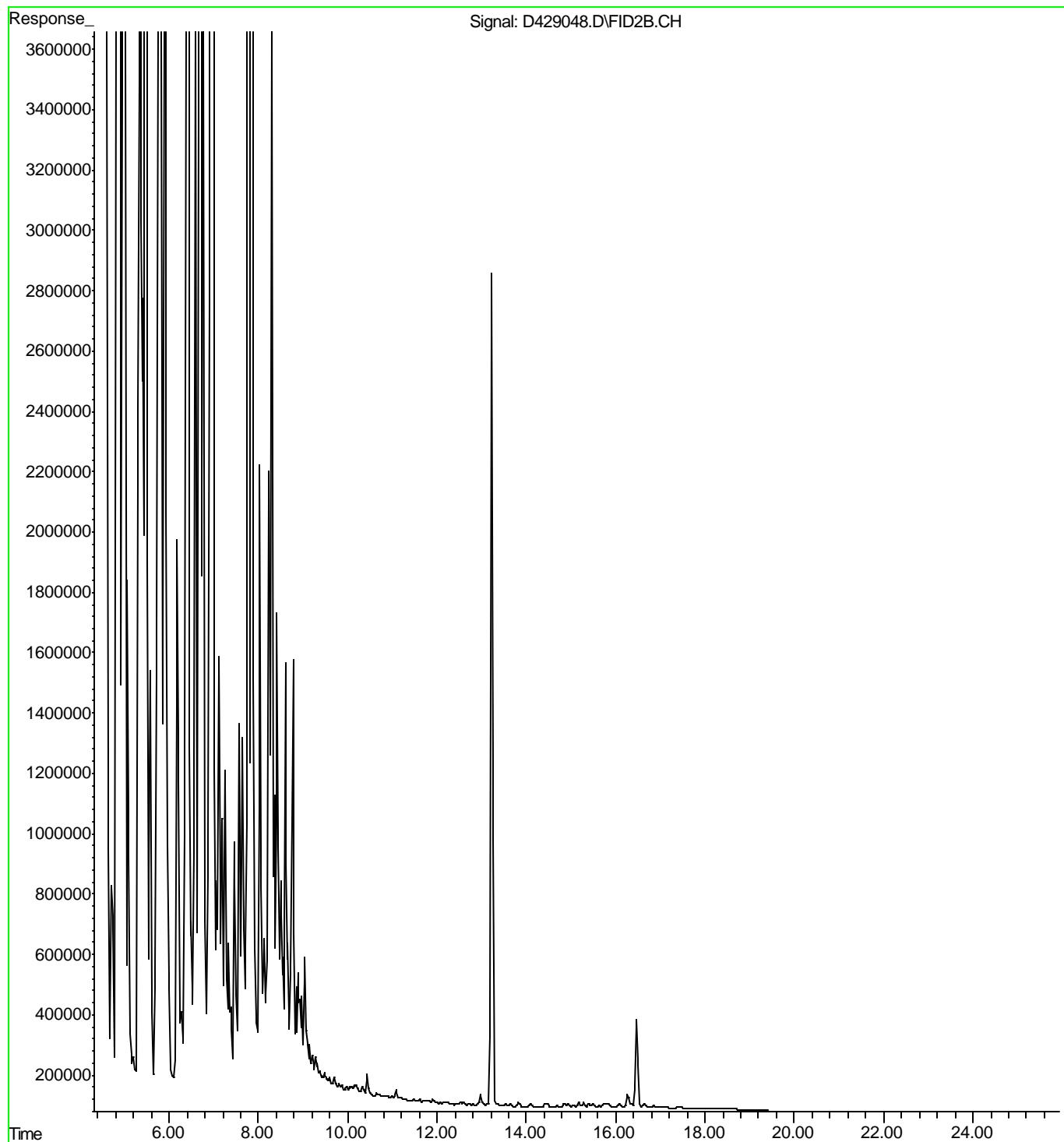
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Instrument : Diesel #2
Sample Name: 44121-06
Misc Info :
Vial Number: 90



File : o:\hpchem\SL15173.D
Operator : WNC
Acquired : 6 Jun 2005 2:52 pm using AcqMethod VOA
Instrument : GCMS12
Sample Name: 44121-07 0.30000 1000555317
Misc Info :
Vial Number: 10



File : o:\d_temp\429048.D
Operator : DRM
Acquired : 08 Jun 2005 10:50 pm using AcqMethod BOTH.M
Instrument : Diesel #2
Sample Name: 44121-07
Misc Info :
Vial Number: 91



44121

LAWRENCE & ASSOCIATES
2001 Market Street, Room 523
Redding, California 96001
(530) 244-9703 FAX (530) 244-5021

CHAIN-OFF-CUSTODY FORM

PROJECT PACE IN/OUT
JOB NUMBER 003027.00 TASK # 5
CONTACT Scott Brooks

Kiss Analytical

PLEASE RETURN ORIGINAL

ANALYSIS REQUESTED							
CHLORINATED HYDROCARBONS							
S OXYGENATES							
TPH-GAS/ESTER							

MATRIX	METHOD PRESERVED	SAMPLE NUMBER	SAMPLING DATE			NOTE #	LABORATORY I.D.#
			YEAR	MO.	DAY		
X	X	MW-1	050601	1	3	10	01
X	X	MW-2	550301	1	3	25	02
X	X	MW-3	550301	1	4	01	03
X	X	MW-4	550301	1	4	25	04
X	X	MW-5	550301	1	5	01	05
X	X	MW-6	550301	1	5	25	06
X	X	MW-7	550301	1	2	40	07

COMMENTS AND NOTES:
L & A GLOBAL ID # TO609300127
SITE ID #

PLEASE PROVIDE CHROMATOGRAMS
EDF TO JANET@LWNLC.COM

Sample Received	SAMPLED BY: (Signature)	Date/Hour
Temp °C <u>42</u>	RELINQUISHED BY: (Signature)	Date/Hour
Initial <u>L</u>	RELINQUISHED BY: (Signature)	Date/Hour
Date <u>10/25</u>	RELINQUISHED BY: (Signature)	Date/Hour
CLIENT/DOIT present: <u>NO</u>	DISPATCHED BY: (Signature)	Date/Hour

3
Time 0828

CHAIN OF CUSTODY RECORD	
SAMPLED BY: (Signature)	Date/Hour
<u>Karl Seaman</u>	6/1/05 1501
RELINQUISHED BY: (Signature)	Date/Hour
<u>Karl Seaman</u>	6/2/05 1000
RELINQUISHED BY: (Signature)	Date/Hour
RELINQUISHED BY: (Signature)	Date/Hour
RELINQUISHED BY: (Signature)	Date/Hour

RECEIVED BY: (Signature)
Karl Seaman

RECEIVED BY: (Signature)
V.A. CAL OVERNIGHT

RECEIVED BY: (Signature)
Karl Seaman

RECEIVED BY: (Signature)
Karl Seaman

RECEIVED BY: (Signature)
JANET

RECEIVED BY: (Signature)
Karl Seaman

PAGE 1 OF 1
CLIEANT/DOIT present: NO

APPENDIX C
L&A Field Data Sheet

Items in yellow are required fields for GEO_WELL

SAMPLING NOTES

Site Name: Pace In/Out

Date: 6/1/05

Sampled by: KARL SWANSON

Global ID: T0609300127

MNA Site: Yes No

Extra Equipment Needed: Stainless bailer for Enprob wells.

ME	Well/ Field Point Name	Field Pt. Status ¹	DTW	PT	Sheen	Total Depth	pH	EC	Temp.	D.O.	ORP
			(feet)	(feet)	(Y or N)	(feet)	(pH units)	(uS/cm)	(°C)	L	UR
310	MW-1	ACT	23.11	-	N	35	6.73	1238	18.6	0.13	UR
35	MW-2	ACT	22.97	-	N	35	6.85	1325	16.5	0.10	UR
01	MW-3	ACT	22.89	-	N	35	6.75	1374	17.5	0.11	UR
25	MW-4	ACT	22.32	-	N	33	7.32	788	17.8	4.91*	48
01	MW-5	ACT	23.38	-	N	34	6.92	1323	18.9	4.33*	UR
15	MW-6	ACT	23.16	-	N	35	6.82	1910	17.9	4.88*	-84
40	MW-7	ACT	23.19	-	N	35	6.70	1.31 ms	16.2	3.46*	UR

PT=Product thickness.

¹ ACT -Active; DRY - dry; NOACC - currently no access to well; INACT - well not included in gw monitoring program; DEST - Destroyed; AB - Abandoned but not destroyed.

Comments

Full Drums: _____ Need Drum: _____

Notes: Use Kiff Analytical. Also test for chlorinated hydrocarbons.

Problems Encountered: _____

* DISSOLVED OXYGEN MEASURED FROM PURGE BUCKET